

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.	UTU-78731
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	na
7. UNIT AGREEMENT NAME	na
8. FARM OR LEASE NAME	na
9. WELL NO.	NW Bullhorn 17-13
10. FIELD OR LEASE NAME	Paradox
11. Sec., T., R., M., OR BLK	Sec. 17, T., 29S, R24E
12. COUNTY OR PARISH	San Juan
13. STATE	Utah
22. APPROX. DATE WORK WILL START	12/15/05

1a TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

B TYPE OF WELL

OIL WELL ☐GAS WELL ☒

OTHER

SINGLE ZONE ☐MULTIPLE ZONE ☒

2. NAME OF OPERATOR

Cabot Oil and Gas

3. ADDRESS OF OPERATORS

600 17th ST. Suite 900 N Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirement)

at surface **921' FNL & 1372' FEL NWNE 648892X 38.285780**
 At proposed prod. Zone **same as above 4238688Y -109.297613**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

48.7 miles south of Vernal, UT

15. DISTANCE FROM PROPOSED LOC. TO NEAREST PROP. OR LEASE LINE, FT. (Also to nearest drlg. Unit line, if any)

921'

16. NO. OF ACRES IN LEASE

1,549

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED.

OR APPLIED FOR, ON THIS LEASE, FT.

1200'

19. PROPOSED DEPTH

7,200

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATION (SHOW WHETHER DF. RT, GR, etc.)

6582' GR

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	2000'	1025 sks
7 7/8"	5 1/2"	17#	T.D.	800 sks

The operator requests permission to drill the subject well. Please find the attached 10 point plan and 13 point plan.

William A Ryan
290 S 800 E
Vernal, UT 84078
435-789-0968

CONFIDENTIAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposed in to deepen or plug back, give data on proposed productive zone and proposed new productive zone. If proposal is to drill or deepen directional, give pertinent data on subsurface location and measure and true vertical depths. Give blowout preventer program, if any.

24

SIGNATURE

William A. Ryan

TITLE

Agent

DATE

12-20-05

(This space for Federal or State Office use)

PERMIT NO.

43-037-318,44

APPROVAL DATE

BRADLEY G. HILL

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ENVIRONMENTAL SCIENTIST III

DATE

02-09-06
RECEIVED

JAN 10 2006***See Instructions on Reverse Side**

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Federal Approval of this
 Action is Necessary**

DIV. OF OIL, GAS & MINING

T29S, R24E, S.L.B.&M.

Found 1916 G.L.O.
Brass Cap buried 2' in
bar ditch of County
Road. CC

CABOT OIL AND GAS

N89°54'E 70.44 (G.L.O.)

S89°58'35"E 2008.65' (Meas.)

Found 1916 G.L.O.
Brass Cap with steel
post 0.2' east.

Sec. 9

Sec. 16

Found 1915 G.L.O.
Brass Cap under R/W
Fence

Lot 1

1372'

921'

**WELL LOCATION:
NW BULLHORN 17-13**

ELEV. UNGRADED GROUND = 6583.5'

Lot 2

17

S00°15'08"W (Basis of Bearings)
2638.12' (Measured)
SOUTH 40.00 (G.L.O.)

Found G.L.O. Brass
Cap. On West edge
road. Buried 1'. Pipe
is bent.

Lot 3

Lot 4

S00°10'05"W 2349.15'
(Meas. to CC)
SOUTH 35.74 (G.L.O.)

Sec. 16

S89°54'W 79.92 (G.L.O.)

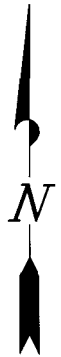
Sec. 20

Found 1916 G.L.O.
Brass Cap. CC

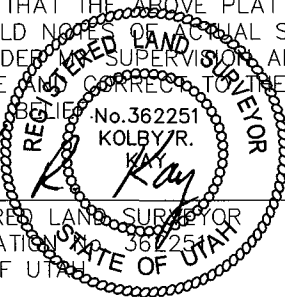
WELL LOCATION, NW BULLHORN 17-13,
LOCATED AS SHOWN IN THE NW 1/4
NE 1/4 OF SECTION 17, T29S, R24E,
S.L.B.&M. SAN JUAN COUNTY, UTAH.

NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. Basis of elevation is bench mark G127 1934 located in the West 1/2 of Section 3, T29S, R24E, S.L.B.&M. The elevation of this bench mark is shown on the La Sal West, Utah 7.5 min. Quadrangle as being 6844'.
4. The monument at the Northeast Corner of Section 17 bears N03°07'09"W 277.94' from the monument at the Northwest Corner of Section 16.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OR ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.



REGISTERED LAND SURVEYOR
REGISTRATION NO. 362251
STATE OF UTAH

TIMBERLINE LAND SURVEYING, INC.

38 WEST 100 NORTH. - VERNAL, UTAH 84078
(435) 789-1365

DATE SURVEYED: 09/22/05	SURVEYED BY: K.R.K.	SHEET 2 OF 10
DATE DRAWN: 09/27/02	DRAWN BY: J.R.S.	
SCALE: 1" = 1000'	Date Last Revised:	

▲ = SECTION CORNERS LOCATED

UTAH STATE PLANE COORDINATES,
1927, SOUTH ZONE

X = 2,632,090.215

Y = 596,992.096

NW BULLHORN 17-13

(Surface Location) NAD 83

LATITUDE = 38° 17' 08.740" N

LONGITUDE = 109° 17' 54.284" W

SELF-CERTIFICATION STATEMENT

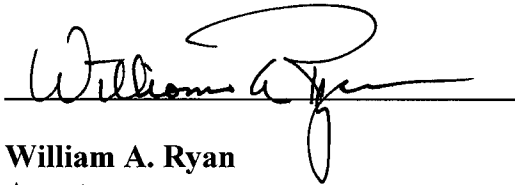
The following self-certification statement is provided per Federal requirements dated June 15, 1988.

Please be advised that The Cabot Oil and Gas are considered to be the operator of the following well.

**NW Bullhorn 17-13
Section 17, T.29S, R. 24 E.
NW 1/4, NE 1/4
Lease UTU-78731
San Juan County, Utah**

The Cabot Oil and Gas is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond 5809579 provides state-wide bond coverage on all Federal lands.

A handwritten signature in black ink, appearing to read "William A. Ryan", is written over a horizontal line.

**William A. Ryan
Agent
Rocky Mountain Consulting
290 S. 800 E.
Vernal UT 84078
435-789-0968 Office
435-828-0968 Cell
435-789-0970 Fax
rmcwar@hotmail.com**

Ten Point Plan

CABOT OIL & GAS CORPORATION

NW Bullhorn 17-13

Surface Location NW ¼ NE ¼, Section 17, T. 29S., R. 24E.

1. Surface Formation

Alluvium/Dakota

2. Estimated Formation Tops and Datum:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Alluvium/Dakota	Surface	+6,582' G.L.
Morrison	230	+6,352'
Entrada	400	+6,182'
Navajo	1,590	+4,992'
Kayenta	1,827	+4,755'
Wingate	2,225	+4,357'
Chinle	3,100	+3,482'
Cutler	4,104	+2,478'
Hktl 5	4,830	+1,752'
Hktl 4	5,389	+1,193'
Hktl 3	5,759	+823'
HKTL 2 shale	5,975	+607'
HKTL 1	6,053	+529'
HKTL 1 shale	6,306	+276'
U Ismay	6,670	-88'
Hovenweep shale	6,808	-226'
L Ismay	6,870	-288'
Gothic shale	6,936	-354'
Desert Creek	7,040	-458'
Salt	7,051	-469'
TD	7,200	-618'

3. Producing Formation Depth:

Formation objective includes the Honaker Trail and its sub-members.

Off Set Well information

Permitted/Drilled:

NW Bullhorn 8-31

Abandon Wells:

La Sal 2-17

State 1-16

4. Proposed Casing:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/FT</u>	<u>Grade</u>	<u>Coupling & Tread</u>	<u>Casing Depth</u>	<u>New/Used</u>
12 1/4	9 5/8	36#	J-55	LT&C	3,100'	NEW
8 3/4	5 1/2	17#	P-110	LT&C	T.D.	NEW

Cement Program:

The Surface Casing will be cemented to the Surface as follows:

	<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
Lead:	9 5/8	Premium Lite	575 sx. +/-	2.28cf/sx	36# ppf
Tail:	9 5/8	Type III	450sx. +/-	1.43 cf/sx	# ppf

Production casing will be cemented to 2,500' or higher as follows:

<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
5 1/2	Premium Lite High Strength	800 sks +/-	2.02 cf/sx	17# ppf

5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 9 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

6. Mud Program:

<u>Interval</u>	<u>Mud weight lbs./gal.</u>	<u>Viscosity Sec./OT.</u>	<u>Fluid Loss Ml/30 Mins.</u>	<u>Mud Type</u>
0-3,100'	8.4 – 8.8	28 – 32	No Control	Fresh Water/Lime Sweeps
3,100'-T.D.	9.0 – 9.4	15 - 30	6 – 8	FLO-PRO NT

7. Auxiliary Equipment

Upper Kelly cock, full opening stabbing valve, 2 ½" choke manifold and pit level indicator.

8. Testing, Coring, Sampling and Logging:

- a) Test: None are anticipated.
- b) Coring: None are anticipated.
- c) Sampling: Every 10' from 2000' to T.D.
- d) Logging:

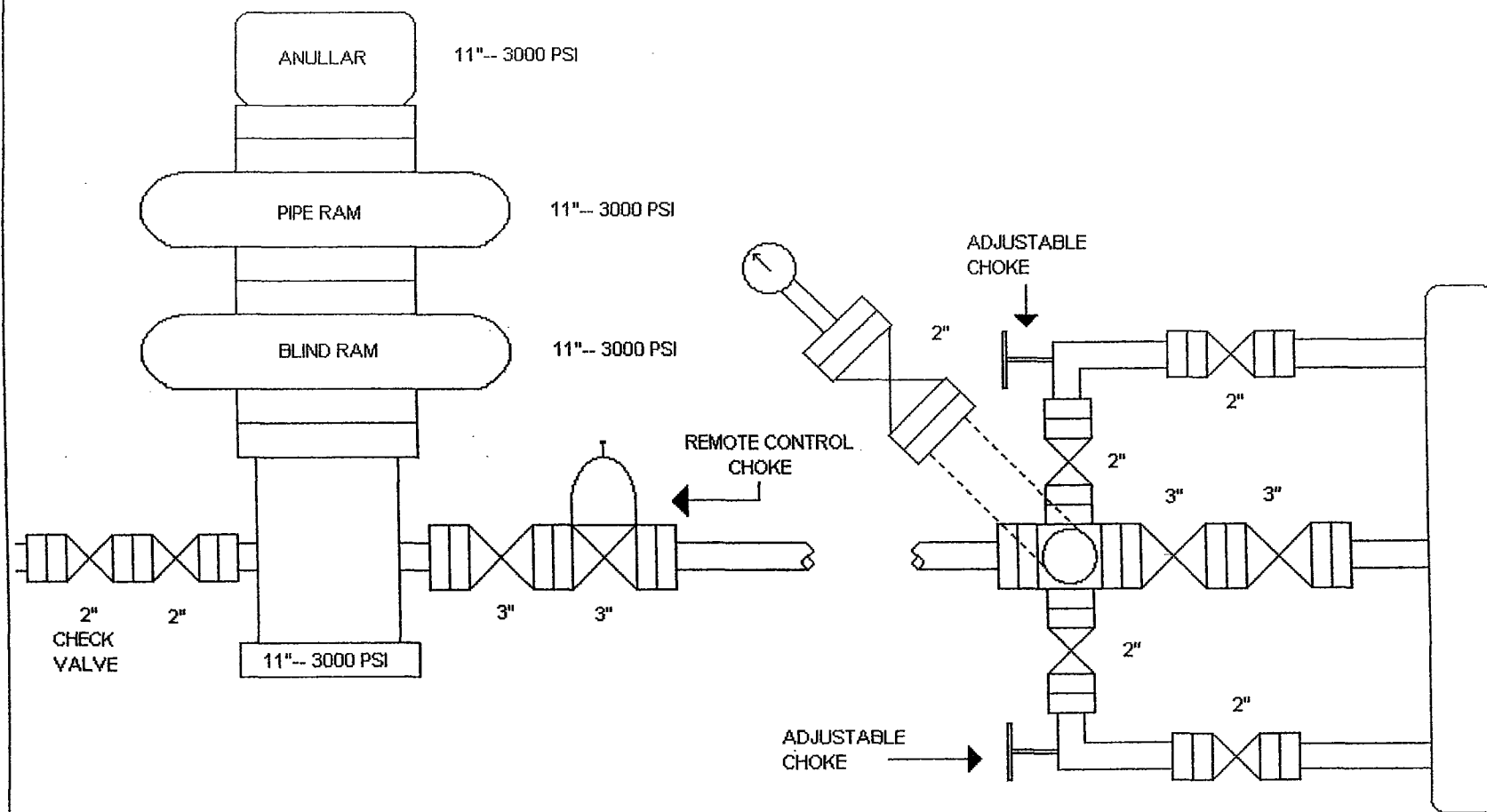
Type	Interval
Platform Express w/BHC sonic	3,100' - TD

9. Abnormalities (including sour gas):

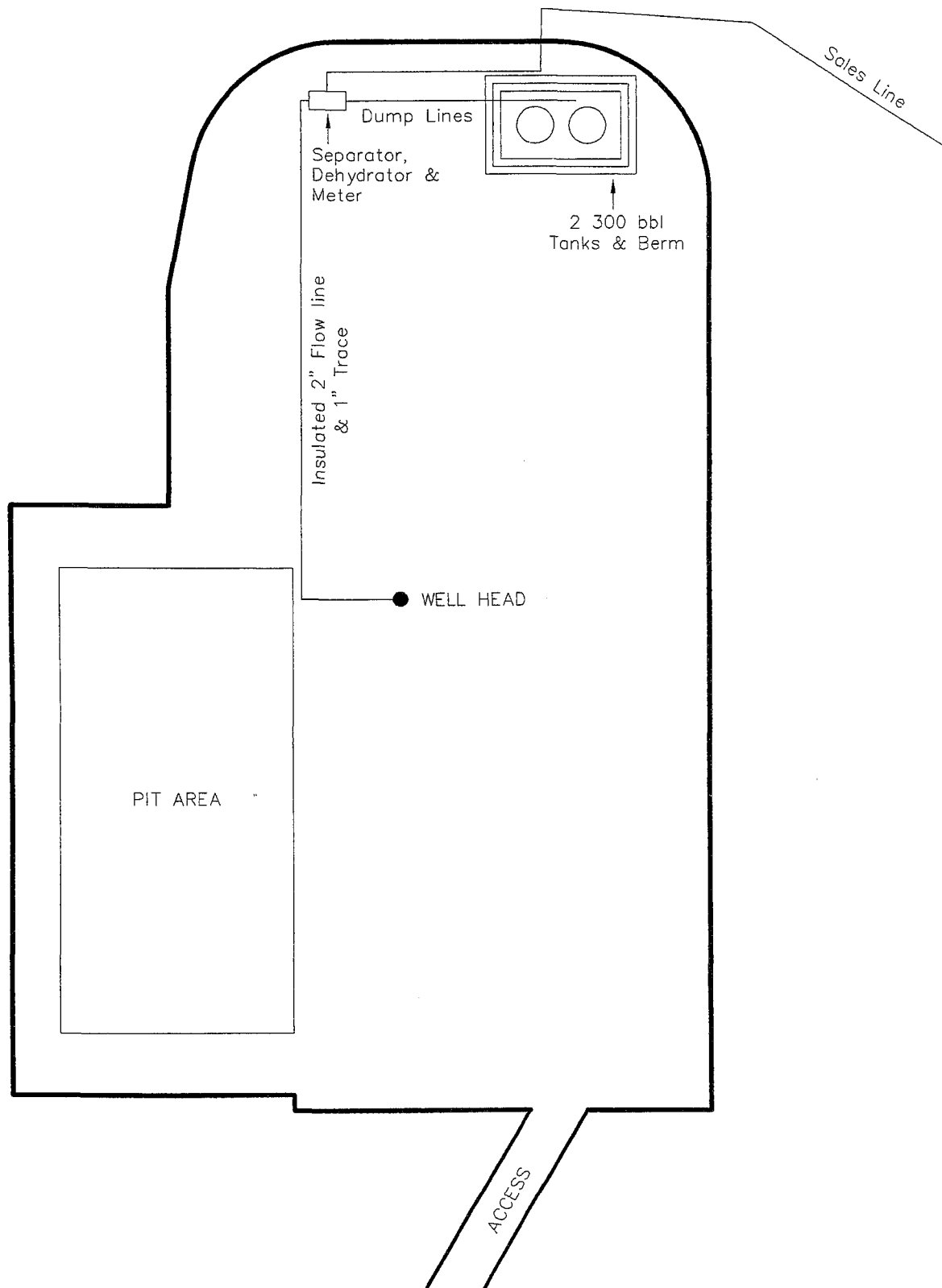
No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Honaker Trail Formation. Other wells drilled in the area have not encountered over pressured zones or H₂S.

10. Drilling Schedule:

The anticipated starting date is 12/15/2005. Duration of operations is expected to be 30 days.



TYPICAL PRODUCTION LAYOUT



CABOT OIL AND GAS
13 POINT SURFACE USE PLAN
FOR WELL
NW BULLHORN 17-13
LOCATED IN NW ¼ NE ¼
SECTION 17, T.29S, R24E, S.L.B.&M.
SAN JUAN COUNTY, UTAH
LEASE NUMBER: UTU-78731
SURFACE OWNERSHIP: FEDERAL

1. Existing Roads:

CABOT OIL & GAS

NW BULLHORN 17-13

Section 17, T29S, R24E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM LA SAL, UTAH ALONG STATE HIGHWAY 46 APPROXIMATELY 2.6 MILES TO THE JUNCTION OF THE LISBON VALLEY ROAD; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG THE LISBON VALLEY ROAD APPROXIMATELY 1.6 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 1,200 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM LA SAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 4.43 MILES.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class B roads. Please see the attached map for additional details.

2. Planned access road

The proposed access road will be approximately 1330' of new construction on lease. The road will be graded once per year minimum and maintained.

A) Approximate length 1330 ft
B) Right of Way width 30 ft
C) Running surface 18 ft

D) Surface material Native soil
E) Maximum grade 5%
F) Fence crossing None
G) Culvert None
H) Turnouts None
I) Major cuts and fills None
J) Road Flagged Yes
K) Access road surface ownership Federal
L) All new construction on lease Yes
M) Pipe line crossing None

Please see the attached location plat for additional details.

An off lease right-of-way will not be required.

A road encroachment application will be has been filed with the San Juan County Road Department.

All surface disturbances for the road and location will be within the lease boundary.

3. Location of existing wells

The following wells are located within a one-mile radius of the location site.

A) Producing well None
B) Water well None
C) Abandoned well
State 1-16
D) Temp. abandoned well None
E) Disposal well None
F) Drilling /Permitted well
NW Bullhorn 8-31
G) Shut in wells None
H) Injection well None

I) Monitoring or observation well None

Please see the attached map for

additional details.

4. Location of tank batteries, production facilities and production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted an **Olive Black** color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is **Olive Black**.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval from the authorized officer.

If the well is capable of economic production a surface gas line will be required.

Approximately 63,360' +/- of 4" steel surface gas gathering line would be constructed on Federal

and Private Lands. The line will tie into the Lisbon Gas Plant in Section 22, T30S, R24E. The pipeline would be strung and boomed to the east then south of the location. The pipeline may be buried as determined by the Authorized Officer at the onsite.

An off lease right-of-way will be required for approximately 57,760'

Please see the attached location diagrams for pipeline location.

The gas meter run will be located within 500' of the wellhead. The gas line will be buried or anchored down from the wellhead to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration report will be submitted to the BLM's Moab District office and State of Utah, Division of Oil, Gas, and Mining. All measurement facilities will conform to API (American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

fluids, chemicals, produced fluids, etc.

5. Location and type of water supply

Water for drilling and cementing will come from a Private land owner in Section 8, T29S, R24E Permit # T-30139.

6. Source of construction materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravel or pit lining material will be obtained from private resources.

7. Methods for handling waste disposal

A) Pit construction and liners:

The reserve pit will be approximately **12 ft.** deep and most of the depth shall be below the surface of the existing ground. Please see the attached plat for details.

The reserve pit will be lined with a 16 mm liner.

The reserve pit will be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling

B) Produced fluids:

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer. **Evaporation may be used instead of trucking to facilitate closing and reclamation of the reserve pit. A pumping system would be used for evaporation. If contaminated water is encountered, a sample will be taken, analyzed and a report will be sent to Utah Division of Oil, Gas and Mining and BLM, Monticello Field Office.**

C) Garbage:

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized landfill location.

D) Sewage:

A portable chemical toilet will be supplied for human waste.

E) Site clean-up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

inches above the net wire.
Total height of the fence shall
be at least 42 inches.

8. Ancillary facilities

There are no ancillary facilities
planned at this time and none are
foreseen for the future.

9. Well-site layout

Location dimensions are as follows:

- A) Pad length 345 ft.
- B) Pad width 260 ft.
- C) Pit depth 12 ft.
- D) Pit length 150 ft.
- E) Pit width 75 ft.
- F) Max cut 22.5 ft.
- G) Max fill 9.0 ft.
- H) Total cut yds. 10,080 cu yds
- I) Pit location South end
- J) Top soil location North end
- K) Access road location East end
- L) Flare Pit corner C

Please see the attached location
diagram for additional details.

All pits will be fenced according to
the following minimum standards:

- A) Thirty nine inch net wire shall
be used with at least one strand
of wire on top of the net wire.
Barbed wire is not necessary if
pipe or some type of
reinforcement rod is attached to
the top of the entire fence.
- B) The net wire shall be no more
than 2 inches above the ground.
The barbed wire shall be 3

- C) Corner posts shall be cemented
and/or braced in such a manner
to keep the fence tight at all
times.

- D) Standard steel, wood or pipe
posts shall be used between the
corner braces. Maximum
distance between any two posts
shall be no greater than 16 ft.

- E) All wire shall be stretched by
using a stretching device before
it is attached to the corner posts.

10. Plans for restoration of the surface

Prior to construction of the location,
the top 6 inches of soil material will
be stripped off the location and the
pit area. The topsoil removed and
piled will amount to approximately
1,510 cubic yards of material.
Topsoil will be stockpiled in one
distinct pile. Placement of the
topsoil is noted on the attached
location plat. The topsoil pile from
the location will be seeded as soon
as the soil is stock piled with the
seed mix listed. When all drilling
and completion activities have been
completed and the pit back-filled
the topsoil from the pit area will be
spread on the pit area. The pit area
will be seeded when the soil has
been spread. The unused portion of
the location (the area outside the
dead men) will be re-contoured.

The dirt contractor will be provided
with an approved copy of the

surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be re-contoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified and left with a rough surface.

A) Seeding dates:

Seed will be spread when topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

B) Seed Mix:

4#/acre Crested Wheat Grass

4#/acre Indian Rice Grass

4#/acre 4-Wing Salt Brush

11. Surface ownership:

Access road	Federal
Location	Federal
Pipeline	Federal & Private

12. Other information:

A) Vegetation

The vegetation coverage is Slight. The majority of the existing vegetation consists of non-native species. Rabbit brush, bitter brush, and Indian Rice grass and Sagebrush are also found on the location.

B) Dwellings:

There are no dwellings or other facilities within a one-mile radius of the location.

C) Archeology:

The location has been surveyed. A copy of that survey will be forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations, which would affect such sites, will be suspended and the discovery reported promptly to the surface management agency.

D) Water:

The nearest water is the Coyote Wash located ½ mile to the East.

E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

F) Notification:

- a) Location Construction
At least forty eight (48) hours prior to construction of location and access roads.
- b) Location completion
Prior to moving on the drilling rig.
- c) Spud notice
At least twenty-four (24) hours prior to spudding the well.
- d) Casing string and cementing
At least twenty-four (24) hours prior to running casing and cementing all casing strings.

- e) BOP and related equipment tests
At least twenty-four (24) hours prior to initial pressure tests.
- f) First production notice
Within five (5) business days after the new well begins, or production resumes after well has been off production for more than 90 days.

G) Flare pit:

The flare pit will be located in **corner C** of the reserve pit out side the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

H) Safety:

All access is restricted to the access road and location. Signs will be posted at the beginning of the access road and on the location to stay within the disturbed area.

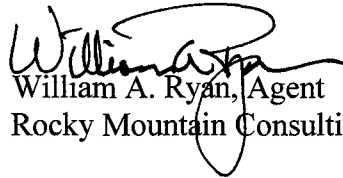
13. Lessees or Operator's representative and certification

A) Representative

William A. Ryan
Rocky Mountain Consulting
290 S 800 E
Vernal, UT 84078

Office 435-789-0968
Fax 435-789-0970
Cellular 435-828-0968

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.


William A. Ryan, Agent
Rocky Mountain Consulting

Onsite Dates: 12/13/2005

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be preformed by Cabot Oil and Gas and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Date 12.20.05

Statement of use of Hazardous Materials

No chemical(s) from the EPA's consolidated list of Chemicals subject to Reporting under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986 will be used, produced, transported, stored, disposed, or associated with the proposed action. No extremely hazardous substances, as defined in 40 cfr 355, will be used, produced, stored, transported, disposed, or associated with the proposed action.

If you require additional information please contact:

William A Ryan
Agent for Cabot Oil and Gas
Rocky Mountain Consulting
290 S 800 E
Vernal, UT 84078

435-789-0968 Office
435-828-0968 Cell
435-789-0970 Fax

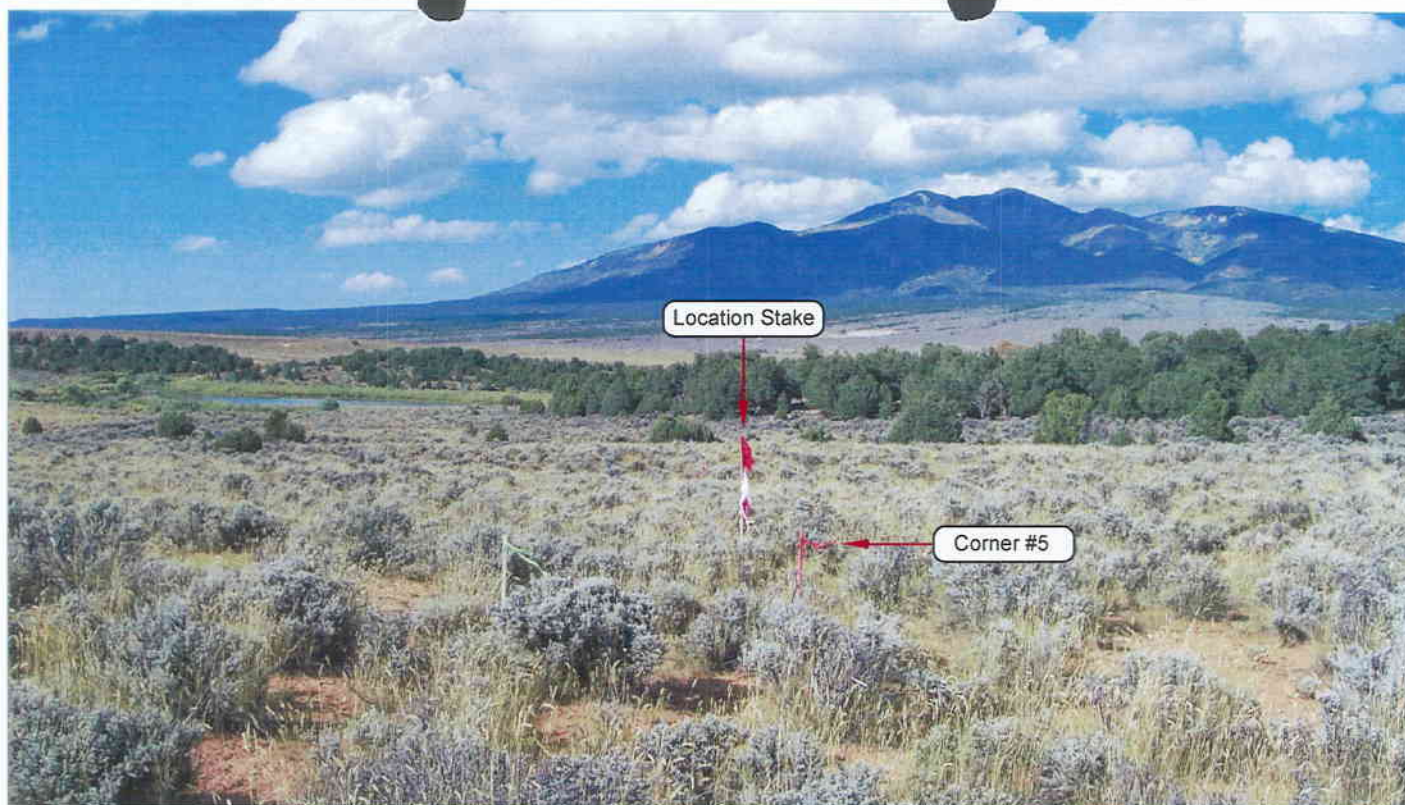


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: WESTERLY

CABOT OIL AND GAS

NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

LOCATION PHOTOS

TAKEN BY: K.R.K.

DRAWN BY: J.R.S.

DATE TAKEN: 09-22-05

DATE DRAWN: 09-27-05

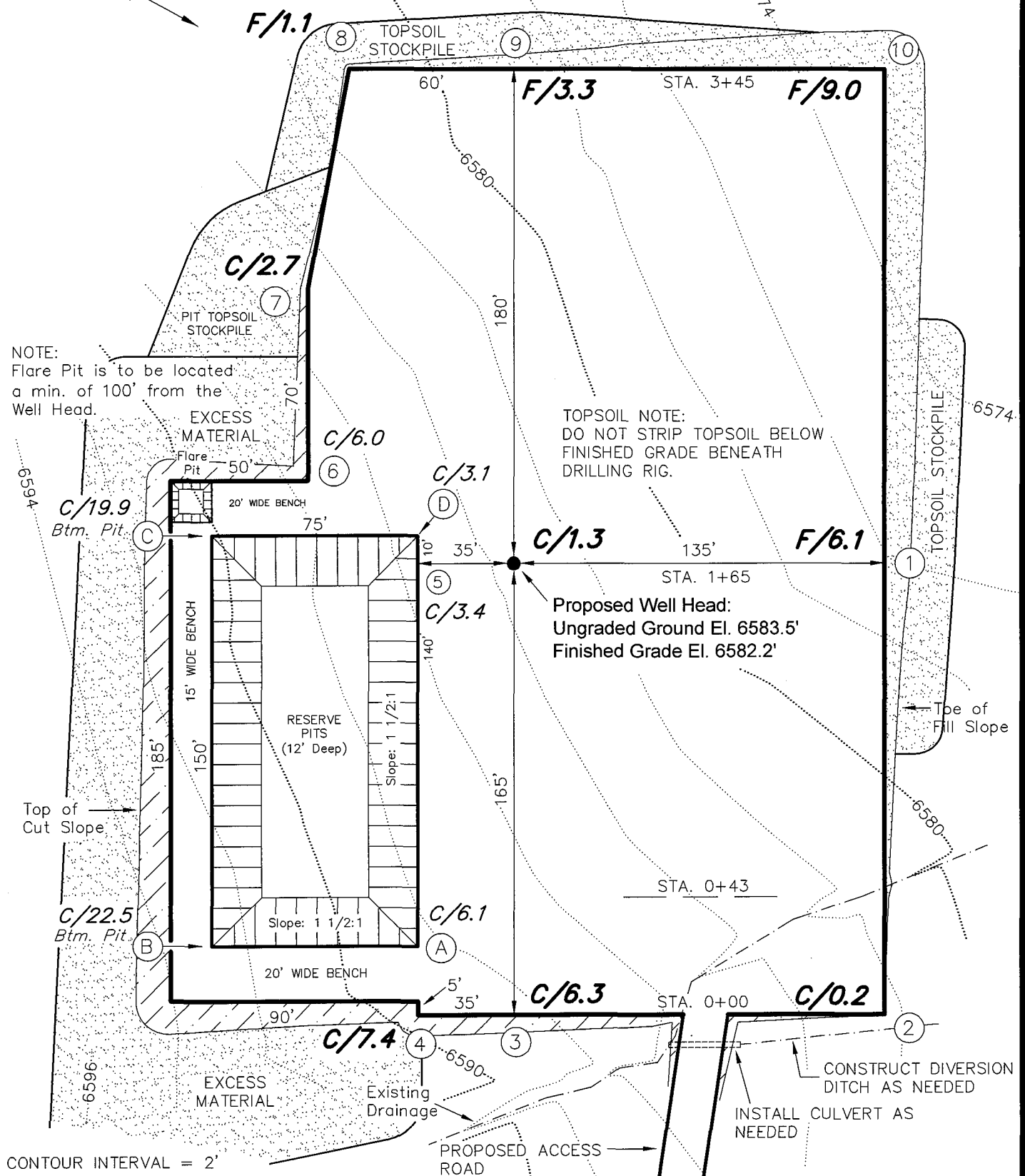
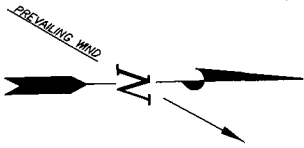
REVISED:

Timberline Land Surveying, Inc.
 38 West 100 North Vernal, Utah 84078
 (435) 789-1365

SHEET
1
OF 10

CABOT OIL AND GAS

CUT SHEET NW BULLHORN 17-13

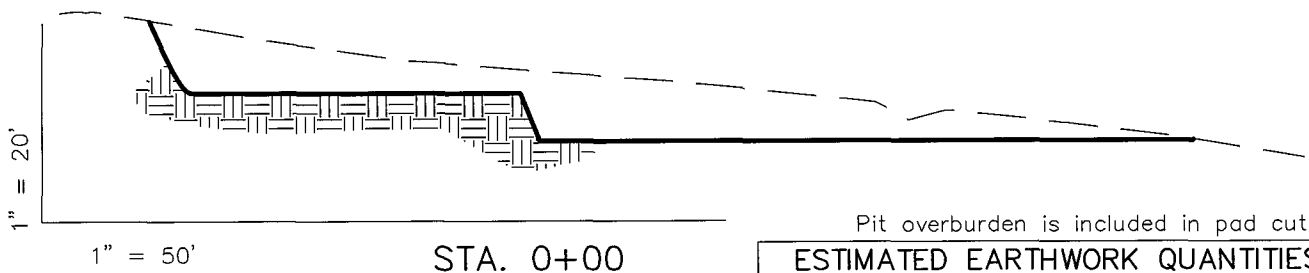
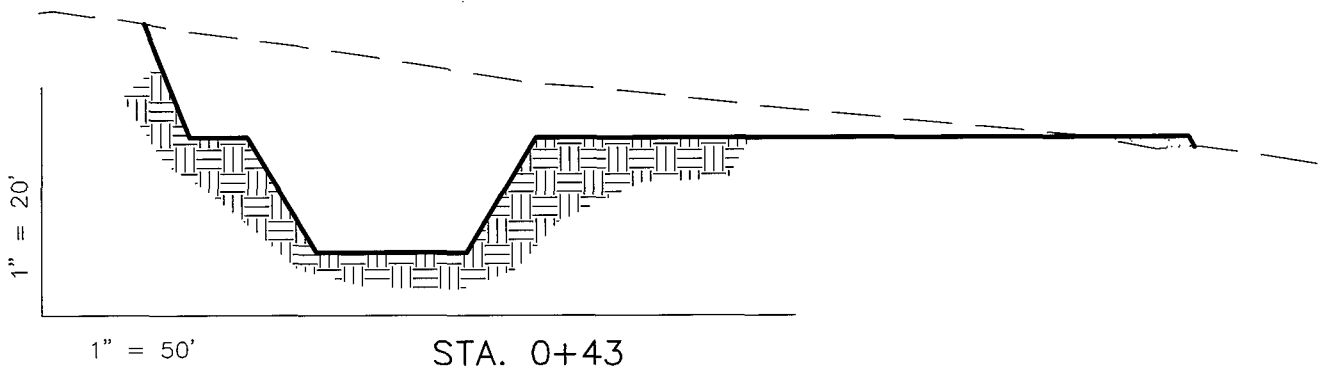
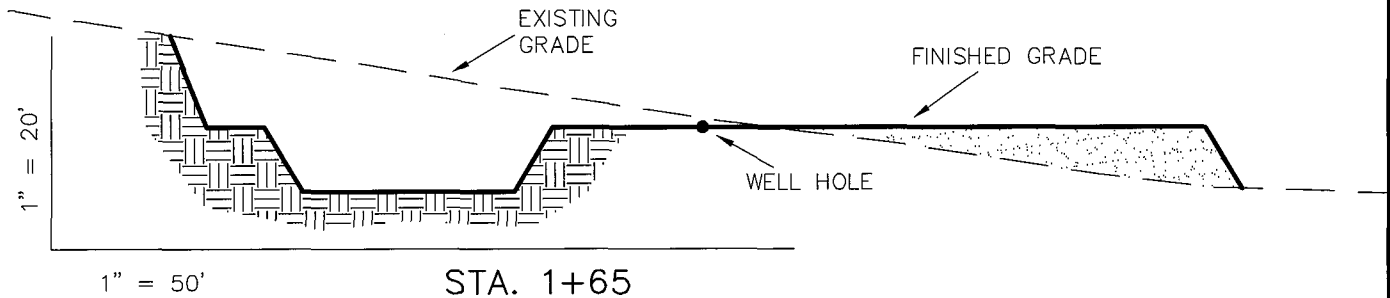
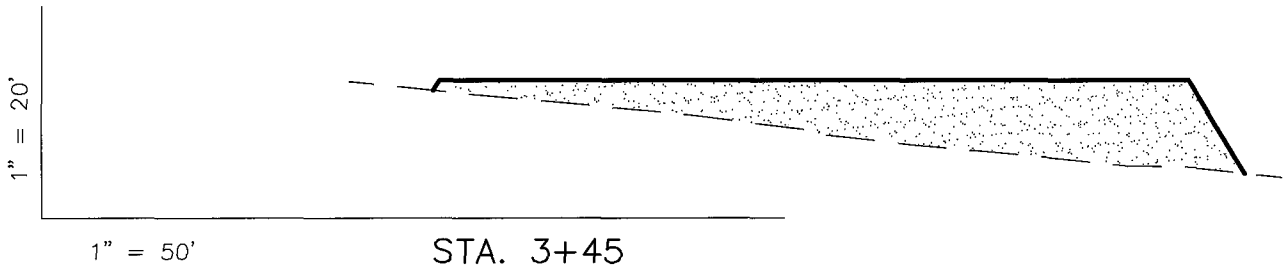


Section 17, T29S, R24E, S.L.B.&M.		Qtr/Qtr Location: NW NE	Footage Location: 921' FNL & 1372' FEL
Date Surveyed: 09-22-05	Date Drawn: 09-27-05	Date Last Revision:	Timberline (435) 789-1365 Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: K.R.K.	Drawn By: J.R.S.	Scale: 1" = 50'	

SHEET
3
OF 10

CABOT OIL AND GAS

CROSS SECTIONS NW BULLHORN 17-13



Pit overburden is included in pad cut.

ESTIMATED EARTHWORK QUANTITIES (No shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	6,740	6,680	Topsoil is not included in Pad Cut	60
PIT	3,340	0		3,340
TOTALS	10,080	6,680	1,510	3,400

Excess Material after Pit Rehabilitation = 1,730 Cu. Yds.

REFERENCE POINTS

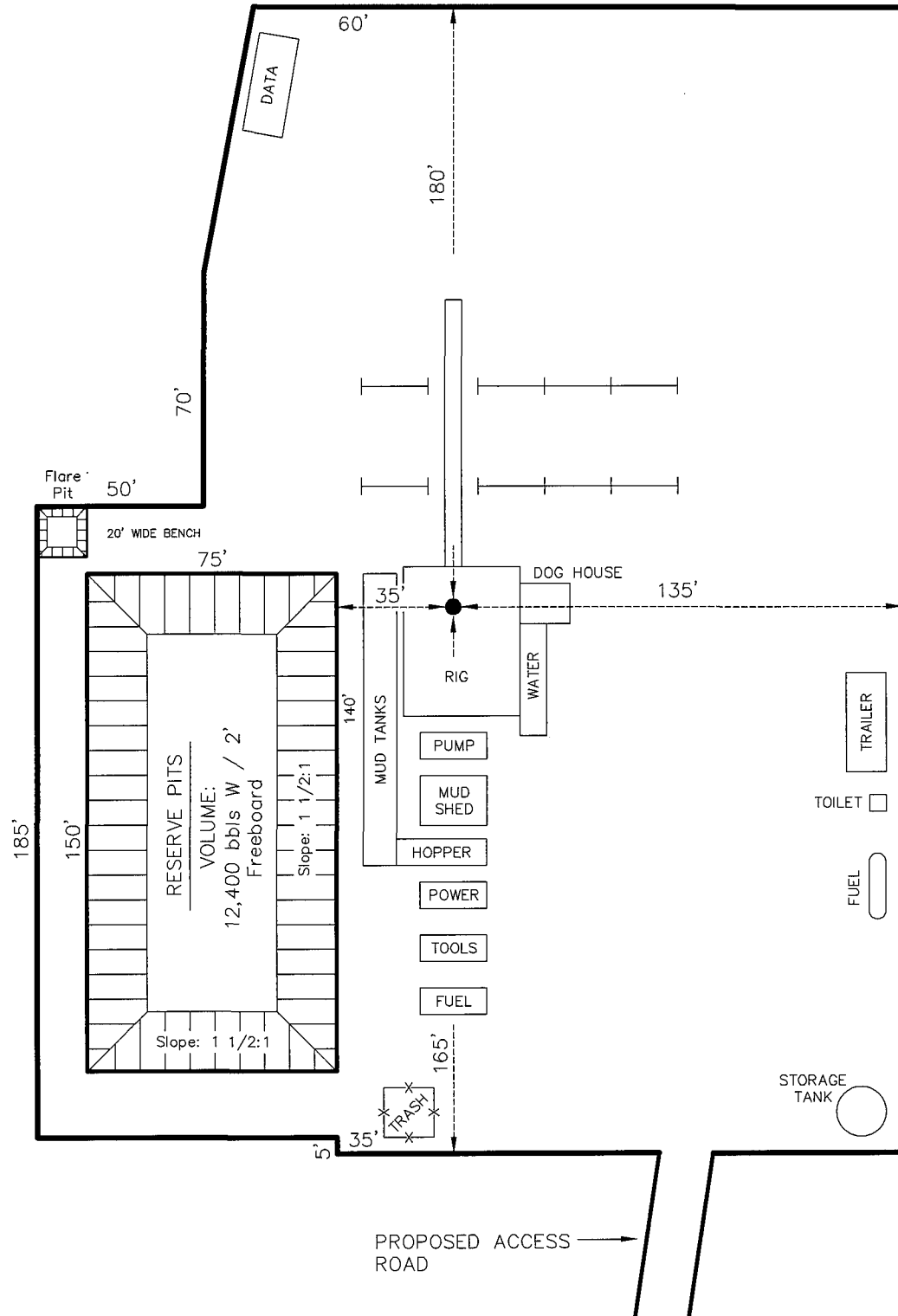
185' NORTHERLY = 6575.4'
 235' NORTHERLY = 6575.0'
 215' EASTERLY = 6590.3'
 265' EASTERLY = 6591.0'

NOTE:
 UNLESS OTHERWISE NOTED
 CUT SLOPES ARE AT 1:1
 FILL SLOPES ARE AT 1.5:1

Section 17, T29S, R24E, S.L.B.&M.		Qtr/Qtr Location: NW NE		Footage Location: 921' FNL & 1372' FEL	
Date Surveyed: 09-22-05	Date Drawn: 09-27-05	Date Last Revision:		Timberline (435) 789-1365 <i>Land Surveying, Inc.</i> 38 WEST 100 NORTH VERNAL, UTAH 84078	SHEET 4 OF 10
Surveyed By: K.R.K.	Drawn By: J.R.S.	Scale: 1" = 50'			

CABOT OIL AND GAS

TYPICAL RIG LAYOUT NW BULLHORN 17-13

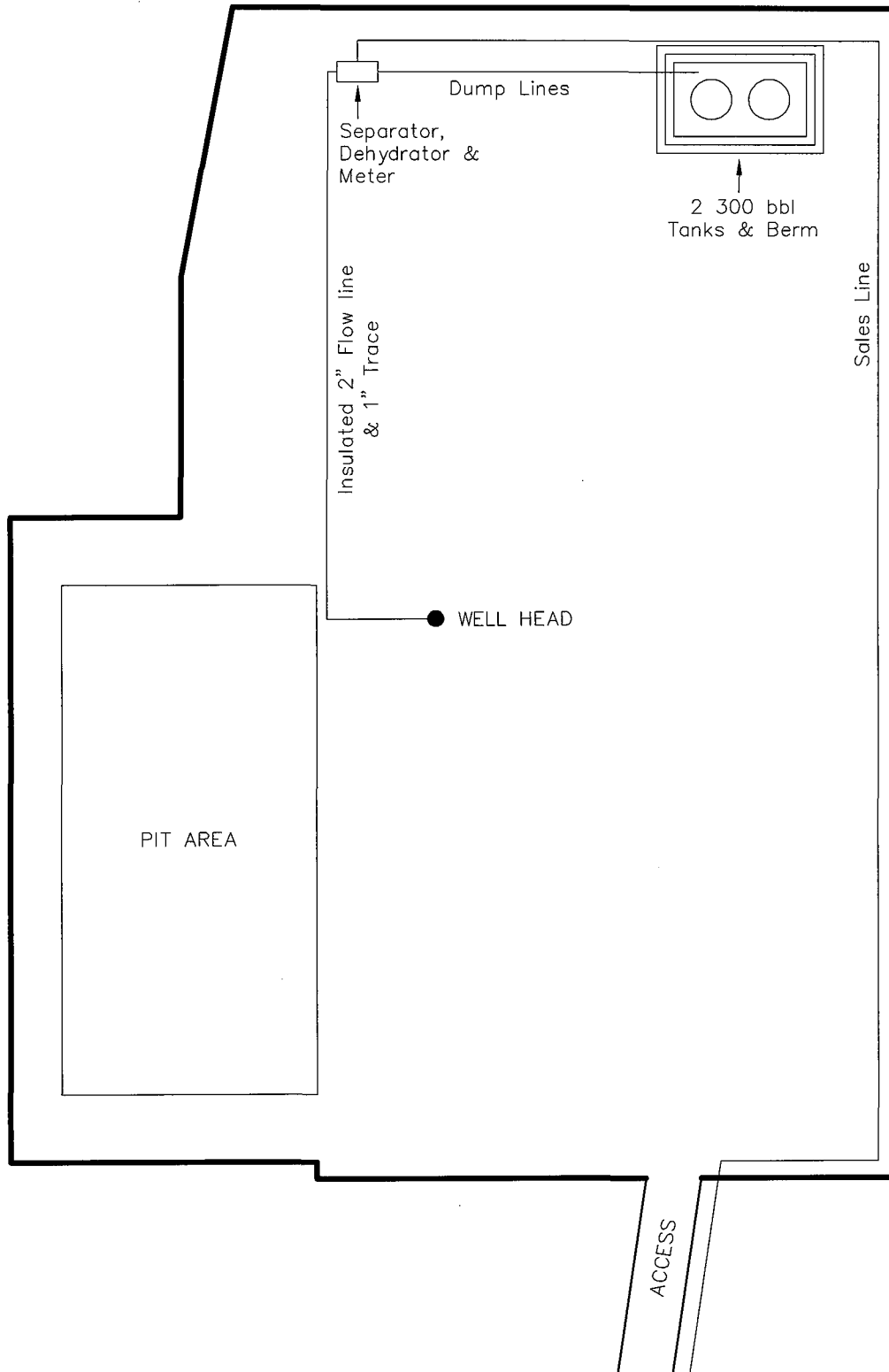


Section 17, T29S, R24E, S.L.B.&M.		Qtr/Qtr Location: NW NE	Footage Location: 921' FNL & 1372' FEL
Date Surveyed: 09-22-05	Date Drawn: 09-27-05	Date Last Revision:	Timberline (435) 789-1365 <i>Land Surveying, Inc.</i> 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: K.R.K.	Drawn By: J.R.S.	Scale: 1" = 50'	

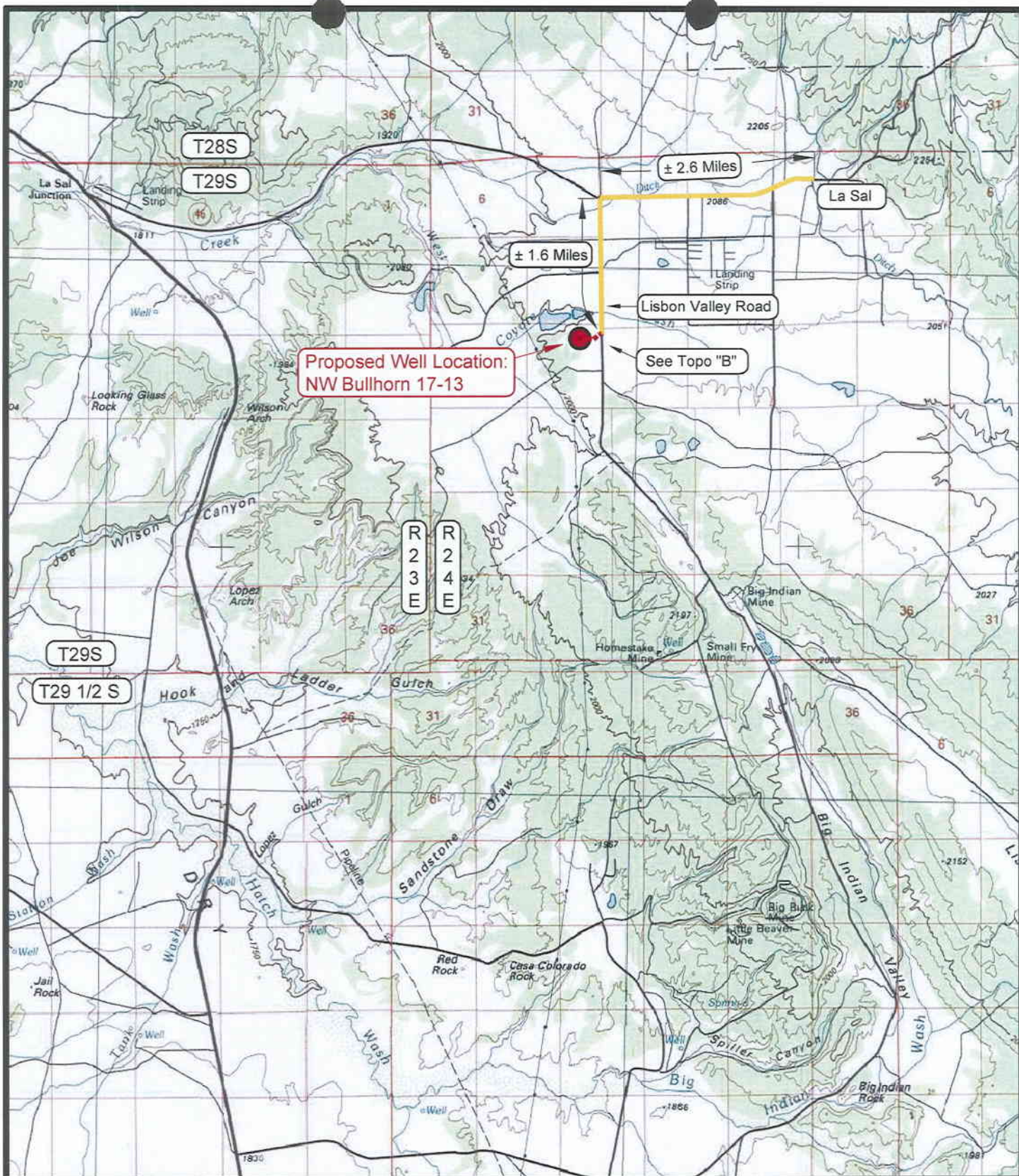
SHEET
5
OF 10

CABOT OIL AND GAS

TYPICAL PRODUCTION LAYOUT NW BULLHORN 17-13



Section 17, T29S, R24E, S.L.B.&M.		Qtr/Qtr Location: NW NE	Footage Location: 921' FNL & 1372' FEL
Date Surveyed: 09-22-05	Date Drawn: 09-27-05	Date Last Revision:	Timberline (435) 789-1365
Surveyed By: K.R.K.	Drawn By: J.R.S.	Scale: 1" = 50'	Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078
			SHEET 6 OF 10



LEGEND

- = PROPOSED WELL LOCATION
- = EXISTING ROAD
- = EXISTING ROAD (TO BE IMPROVED)
- = PROPOSED ACCESS ROAD

TOPOGRAPHIC MAP "A"

SCALE: 1:100,000

DRAWN BY: J.R.S.

DATE SURVEYED: 09-22-05

DATE DRAWN: 09-27-05

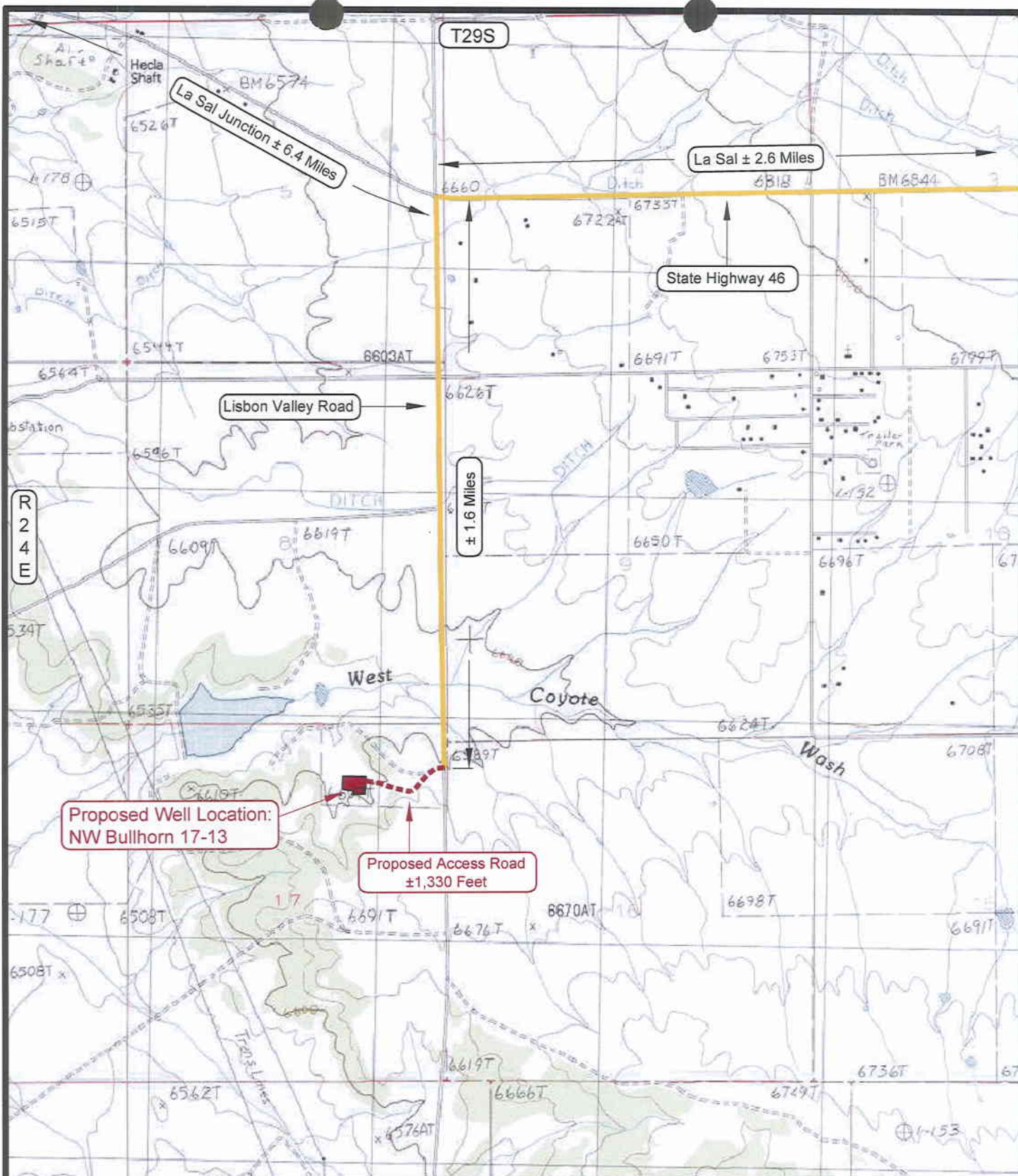
REVISED: 11-21-05 B.J.S.

CABOT OIL AND GAS

NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

Timberline Land Surveying, Inc.
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SHEET
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OF 10



LEGEND

- PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = SHARED ACCESS
- = EXISTING ROAD
- = EXISTING ROAD (TO BE IMPROVED)
- = LEASE LINE AND / OR PROPERTY LINE

TOPOGRAPHIC MAP "B"

SCALE: 1" = 2000'

DRAWN BY: J.R.S.

DATE SURVEYED: 09-22-05

DATE DRAWN: 09-27-05

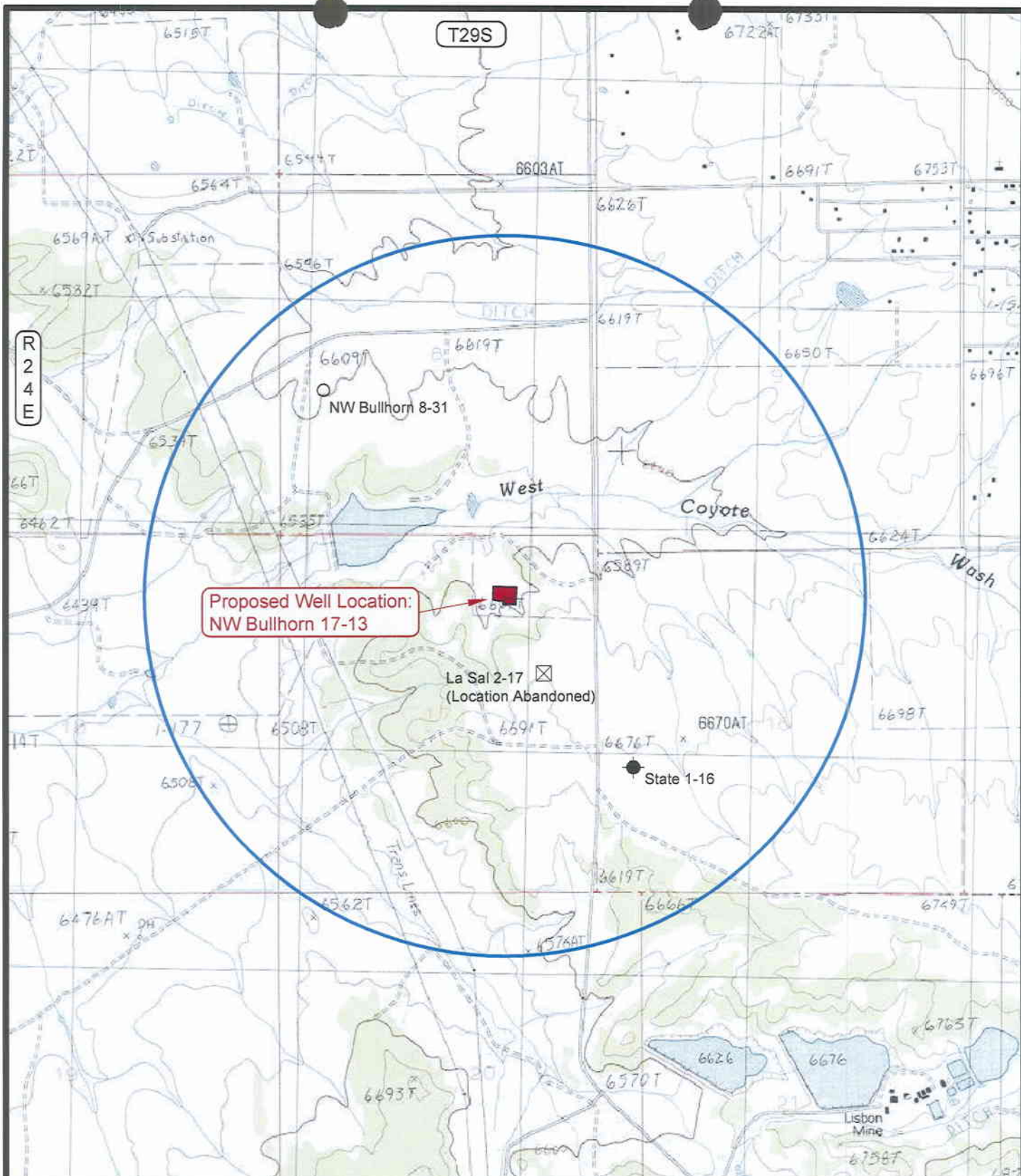
REVISED: 12-13-05 J.R.S.

CABOT OIL AND GAS

NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

Timberline Land Surveying, Inc.
 38 West 100 North Vernal, Utah 84078
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SHEET
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OF 10



LEGEND

- | | |
|--------------------|--------------------------------|
| ⊗ = DISPOSAL WELL | ⊗ = WATER WELL |
| ● = PRODUCING WELL | ● = ABANDONED WELL |
| ● = SHUT IN WELL | ● = TEMPORARILY ABANDONED WELL |
| ○ = PROPOSED WELL | |

TOPOGRAPHIC MAP "C"

DATE SURVEYED: 09-22-05

DATE DRAWN: 09-27-05

SCALE: 1" = 2000'

DRAWN BY: J.R.S.

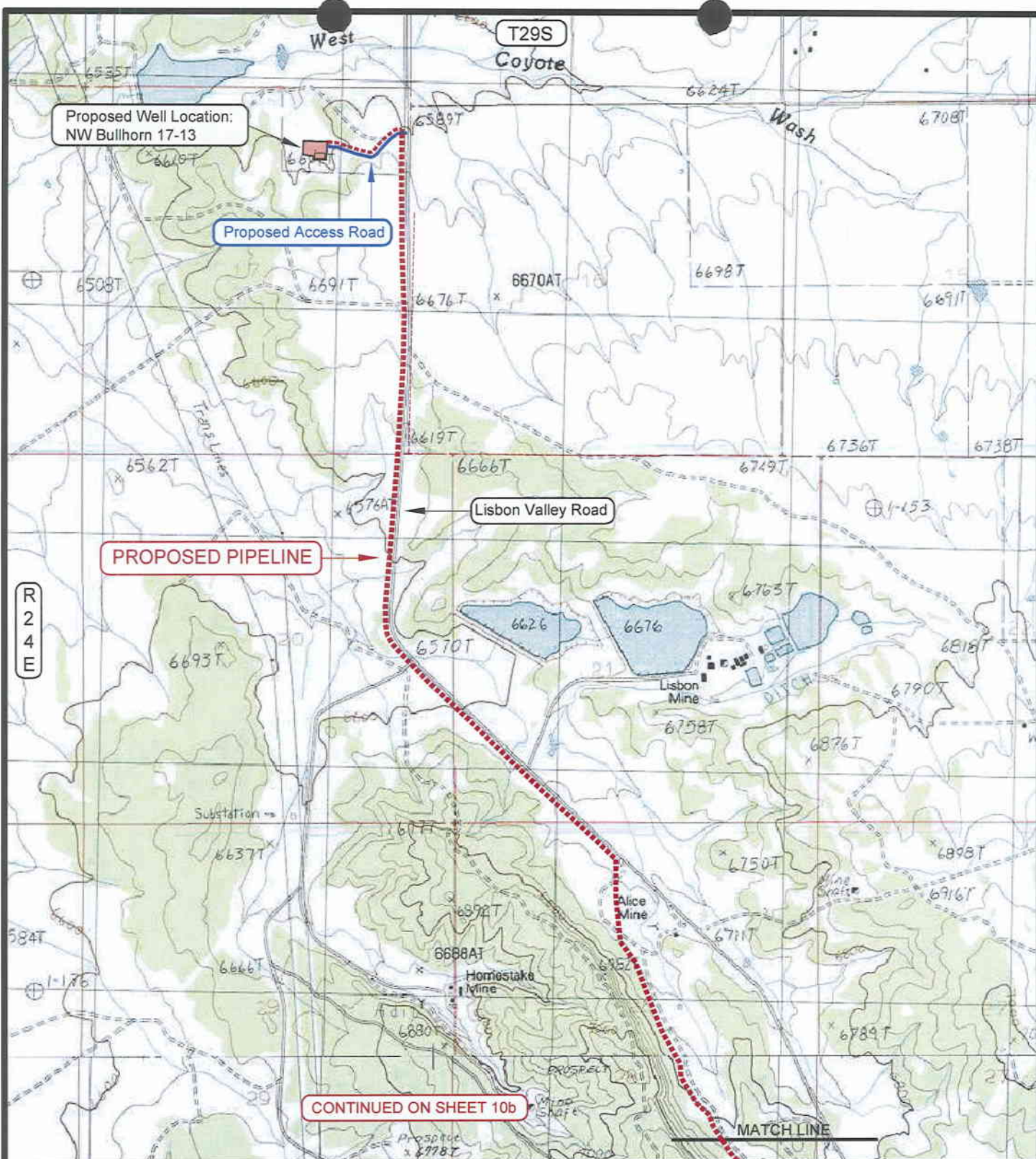
REVISED:

CABOT OIL AND GAS

NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

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SHEET
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OF 10



APPROXIMATE PIPELINE LENGTH = 12.0 Miles

LEGEND

- = EXISTING PIPELINE
- = LEASE LINE AND / OR PROPERTY LINE
- - - = PROPOSED PIPELINE
- = PROPOSED ACCESS ROAD

TOPOGRAPHIC MAP "D"

SCALE: 1" = 2000'

DRAWN BY: J.R.S.

DATE SURVEYED: 0922-05

DATE DRAWN: 09-27-05

REVISED: 11-21-05 B.J.S.

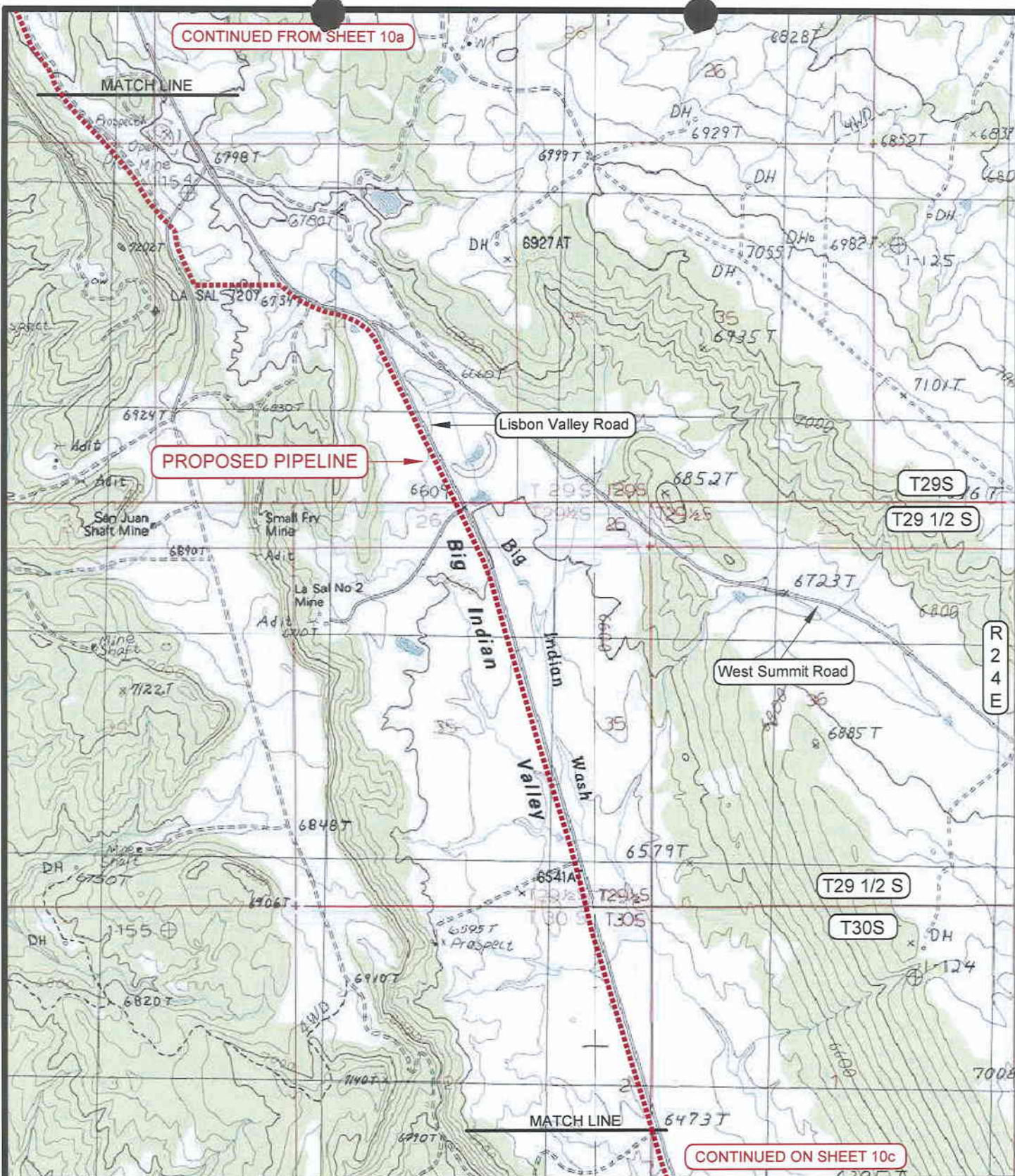
CABOT OIL AND GAS

NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

Timberline Land Surveying, Inc.

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SHEET
10a
OF 10



LEGEND

- = EXISTING PIPELINE
- = PROPOSED PIPELINE
- = PROPOSED ACCESS ROAD
- = LEASE LINE AND / OR PROPERTY LINE

TOPOGRAPHIC MAP "D"

DATE SURVEYED: 09-22-05

DATE DRAWN: 09-27-05

SCALE: 1" = 2000'

DRAWN BY: J.R.S.

REVISED: 11-21-05 B.J.S.

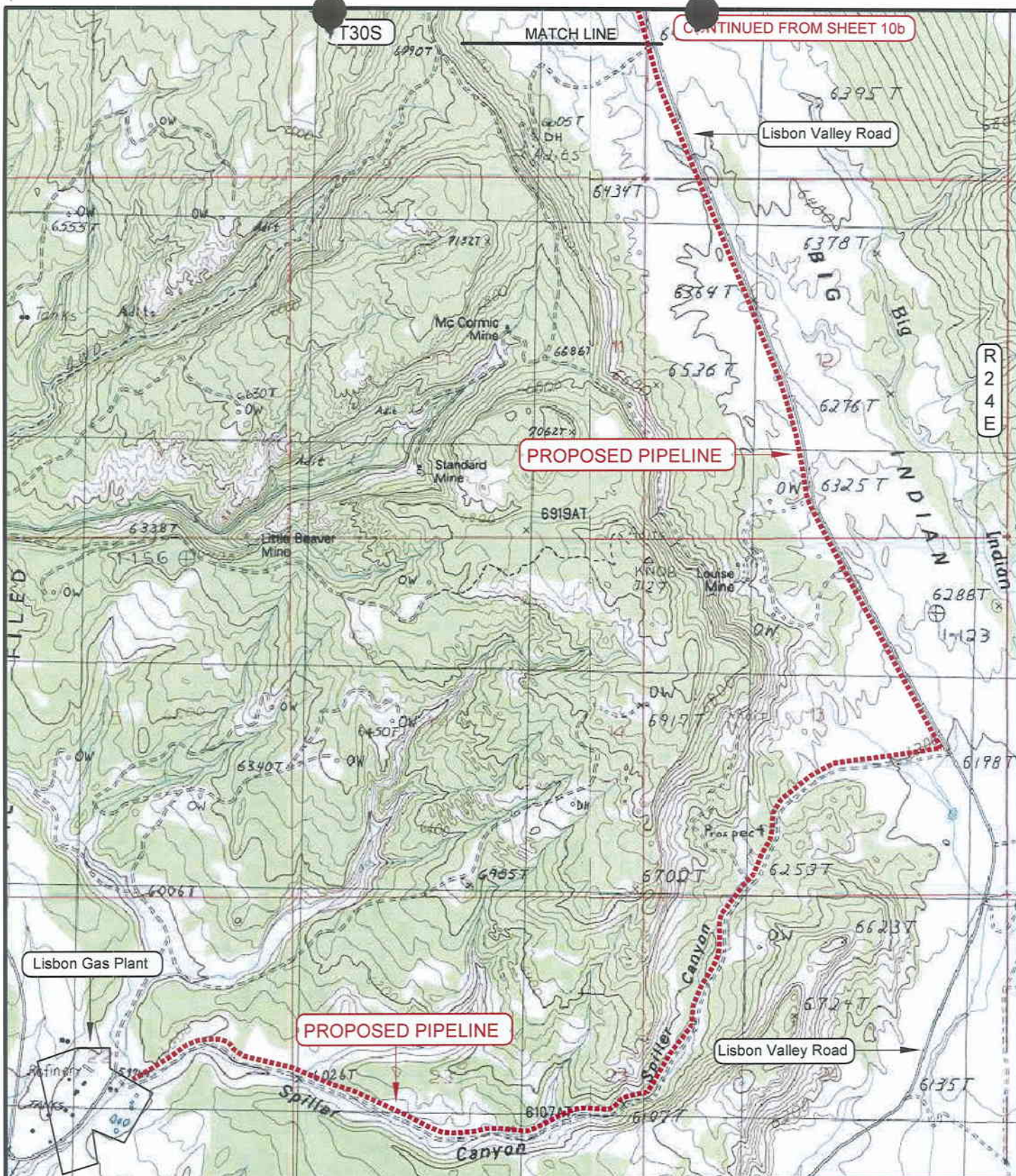
CABOT OIL AND GAS

NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

Timberline Land Surveying, Inc.

38 West 100 North Vernal, Utah 84078
(435) 789-1365

SHEET
10b
OF 10



LEGEND

- = EXISTING PIPELINE
- = PROPOSED PIPELINE
- = PROPOSED ACCESS ROAD
- = LEASE LINE AND / OR PROPERTY LINE

TOPOGRAPHIC MAP "D"

SCALE: 1" = 2000'

DRAWN BY: J.R.S.

DATE SURVEYED: 09-22-05

DATE DRAWN: 09-27-05

REVISED: 11-21-05 B.J.S.

CABOT OIL AND GAS

NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

Timberline Land Surveying, Inc.

38 West 100 North Vernal, Utah 84078
 (435) 789-1365

SHEET
10c
OF 10

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/10/2006

API NO. ASSIGNED: 43-037-31844

WELL NAME: NW BULLHORN 17-13

OPERATOR: CABOT OIL & GAS CORP (N6345)

PHONE NUMBER: 435-789-0968

CONTACT: BILL RYAN

PROPOSED LOCATION:

NWNE 17 290S 240E

SURFACE: 0921 FNL 1372 FEL

BOTTOM: 0921 FNL 1372 FEL

COUNTY: SAN JUAN

LATITUDE: 38.28578 LONGITUDE: -109.2976

UTM SURF EASTINGS: 648892 NORTHINGS: 4238688

FIELD NAME: WILDCAT (1)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-78731

PROPOSED FORMATION: DSCR

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 5809579)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. T-30139)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.
Unit: _____
___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
☒ R649-3-3. Exception
___ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
___ R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: 1- Federal Approval

2- Spacing Strip

T29S R24E

NW BULLHORN 17-13

LA SAL 2-17

17

STATE 1-16

OPERATOR: CABOT O&G (N6345)

SEC: 17 T. 29S R. 24E

FIELD: WILDCAT (001)

COUNTY: SAN JUAN

SPACING: R649-3-3 / EXCEPTION LOCATION

Field Status
 [] ABANDONED
 [] ACTIVE
 [] COMBINED
 [] INACTIVE
 [] PROPOSED
 [] STORAGE
 [] TERMINATED

Unit Status
 [] EXPLORATORY
 [] GAS STORAGE
 [] NF PP OIL
 [] NF SECONDARY
 [] PENDING
 [] PI OIL
 [] PP GAS
 [] PP GEOTHERML
 [] PP OIL
 [] SECONDARY
 [] TERMINATED

Wells Status
 [] GAS INJECTION
 [] GAS STORAGE
 [] LOCATION ABANDONED
 [] NEW LOCATION
 [] PLUGGED & ABANDONED
 [] PRODUCING GAS
 [] PRODUCING OIL
 [] SHUT-IN GAS
 [] SHUT-IN OIL
 [] TEMP. ABANDONED
 [] TEST WELL
 [] WATER INJECTION
 [] WATER SUPPLY
 [] WATER DISPOSAL
 [] DRILLING



PREPARED BY: DIANA WHITNEY
 DATE: 20-JANUARY-2006

February 9, 2006

RE: Cabot Oil and Gas
NW Bullhorn 17-13
Sec. 17, T29S, R24E

Utah Division of Oil, Gas and Mining
1549 West North Temple, Suite 1210
Salt Lake City, UT 84114

Dear Sir or Madam,

Cabot Oil and Gas respectfully requests a spacing exception for the subject location. The well has been moved from the center of the forty-acre spacing.

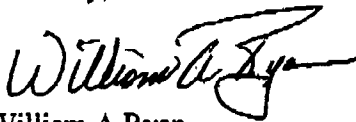
The well is located at 921' FNL & 1372' FEL, which has changed from the proposed location at 660' FNL & 1980' FEL.

The location was moved due to a pond North of the location, and archeological resources in the adjacent area. Please find the attached plat maps.

Cabot Oil and Gas is the only lease owner within a 460 foot radius.

If you have additional questions, please feel free to contact me.

Sincerely,



William A Ryan
290 S 800 E
Vernal, UT 84078
435-789-0968

RECEIVED
FEB 09 2006
DIV. OF OIL, GAS & MINING



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

February 10, 2006

Cabot Oil and Gas
600 17th St., Suite 900 N
Denver, CO 80202

Re: NW Bullhorn 17-13 Well, 921' FNL, 1372' FEL, NW NE, Sec. 17,
T. 29 South, R. 24 East, San Juan County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-31844.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: San Juan County Assessor
Bureau of Land Management, Moab District Office

Operator: Cabot Oil and Gas
Well Name & Number NW Bullhorn 17-13
API Number: 43-037-31844
Lease: UTU-78731

Location: NW NE Sec. 17 T. 29 South R. 24 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Bureau of Land Management
Moab Field Office
82 Dogwood
Moab, UT 84532

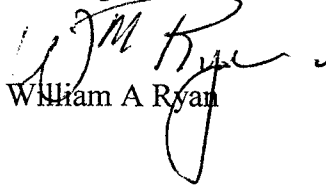
RE: Application for Permit to Drill
Well No. NW Bullhorn 17-13
NWNE Sec. 17, T29S, R24E
Lease UTU-78731
San Juan County, Utah

43-037-31844

Gentlemen:

In response to your letter dated February 28, 2006, please find the attached supplemental information. If you have any questions, please feel free to contact William A Ryan at 435-789-0968 or Ginger Stringham at 435-789-4162.

Best regards,


William A Ryan

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APR 12 2006
DIV. OF OIL, GAS & MINING

4. Proposed Casing:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/FT</u>	<u>Grade</u>	<u>Coupling & Tread</u>	<u>Casing Depth</u>	<u>New/Used</u>
12 1/4	9 5/8	36#	J-55	LT&C	3,100'	NEW
8 3/4	5 1/2	17#	P-110	LT&C	T.D.	NEW

Cement Program:

The Surface Casing will be cemented to the Surface as follows:

	<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
Lead:	9 5/8	Premium Lite	575 sx. +/-	2.28cf/sx	11.0# ppf
Tail:	9 5/8	Type III	450sx. +/-	1.43 cf/sx	15.6# ppf

Production casing will be cemented to 2,500' or higher as follows:

<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
5 1/2	Premium Lite High Strength	800 sks +/-	2.02 cf/sx	15.6# ppf

5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 5000 psi.

A 5000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 9 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

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APR 12 2006
DIV. OF OIL, GAS & MINING

1. Existing Roads:

CABOT OIL & GAS

NW BULLHORN 17-13

Section 17, T29S, R24E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM LA SAL, UTAH ALONG STATE HIGHWAY 46 APPROXIMATELY 2.6 MILES TO THE JUNCTION OF THE LISBON VALLEY ROAD; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG THE LISBON VALLEY ROAD APPROXIMATELY 2.1 MILES TO THE JUNCTION OF THE WEST COYOTE ROAD; EXIT RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED ACCESS ROAD; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 2,860 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM LA SAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 5.3 MILES.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class B roads. Please see the attached map for additional details.

2. Planned access road

The proposed access road will be approximately 2,860' of new construction on lease. The road will be graded once per year minimum and maintained.

- A) Approximate length 2860 ft
- B) Right of Way width 30 ft
- C) Running surface 18 ft
- D) Surface material Native soil
- E) Maximum grade 5%
- F) Fence crossing None
- G) Culvert None
- H) Turnouts None
- I) Major cuts and fills None
- J) Road Flagged Yes
- K) Access road surface ownership Federal
- L) All new construction on lease Yes
- M) Pipe line crossing None

Please see the attached location plat for additional details.

An off lease right-of-way will not be required.

A road encroachment application will be has been filed with the San Juan County Road Department.

All surface disturbances for the road and location will be within the lease boundary.

3. Location of existing wells

The following wells are located within a one-mile radius of the location site.

- A) Producing well None
- B) Water well None
- C) Abandoned well State 1-16
- D) Temp. abandoned well None
- E) Disposal well None
- F) Drilling /Permitted well NW Bullhorn 8-31
- G) Shut in wells None

H) Injection well **None**

I) Monitoring or observation well **None**

Please see the attached map for additional details.

4. Location of tank batteries, production facilities and production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted an **Olive Black** color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is **Olive Black**.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval from the authorized officer.

If the well is capable of economic production a surface gas line will be required.

Alt #1

Approximately 2,180' +/- of 6" steel surface gas gathering line would be constructed on Federal Lands. The line will tie into the proposed pipeline in Sec. 17, T29S, R24E. The pipeline would be strung and boomed to the east then south of the location. The pipeline may be buried as determined by the Authorized Officer at the onsite.

An off lease right-of-way will not be required.

Please see the attached location diagrams for pipeline location.

ALT #2

In the event the well location NW Bullhorn #17-24 is unsuccessful the following would be an alternative pipeline route for the proposed well. Approximately 22,245' of steel surface gas gathering line would be constructed on Federal Lands. The line will tie into the existing pipeline in Sec. 34, T. 29S, R24E. The pipeline would be strung and boomed to the east then southeast of the location and will follow access roads and the Lisbon Valley Road. The pipeline may be buried as determined by the Authorized Officer at the onsite.

An off lease right-of-way will be required for approximately

The gas meter run will be located within 500' of the wellhead. The gas line will be buried or anchored down from the wellhead to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration report will be submitted to the BLM's Moab District office and State of Utah, Division of Oil, Gas, and Mining. All measurement facilities will conform to API (American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

5. Location and type of water supply

Water for drilling and cementing will come from a Private land owner in Section 8, T29S, R24E Permit # T-30139.

6. Source of construction materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravel

or pit lining material will be obtained from private resources.

7. Methods for handling waste disposal

A) Pit construction and liners:

The reserve pit will be approximately **12 ft.** deep and most of the depth shall be below the surface of the existing ground. Please see the attached plat for details.

The reserve pit will be lined with a 16 mm liner.

The reserve pit will be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

B) Produced fluids:

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer. **Evaporation may be used instead of trucking to facilitate closing and reclamation of the reserve pit.**

A pumping system would be used for evaporation. If contaminated water is encountered, a sample will be taken, analyzed and a report will be sent to Utah Division of Oil, Gas and Mining and BLM, Monticello Field Office.

C) Garbage:

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized landfill location.

D) Sewage:

A portable chemical toilet will be supplied for human waste.

E) Site clean-up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

8. Ancillary facilities

There are no ancillary facilities planned at this time and none are foreseen for the future.

9. Well-site layout

Location dimensions are as follows:

- A) Pad length 345 ft.**
- B) Pad width 260 ft.**
- C) Pit depth 12 ft.**
- D) Pit length 150 ft.**

- E) Pit width 75 ft.**
- F) Max cut 22.5 ft.**
- G) Max fill 9.0 ft.**
- H) Total cut yds. 10,080 cu yds**
- I) Pit location South end**
- J) Top soil location North end**
- K) Access road location East end**
- L) Flare Pit corner C**

Please see the attached location diagram for additional details.

All pits will be fenced according to the following minimum standards:

- A) Thirty nine inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.**
- B) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.**
- C) Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.**
- D) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 ft.**
- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.**

10. Plans for restoration of the surface

Prior to construction of the location, the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately **1,510** cubic yards of material. Topsoil will be stockpiled in one distinct pile. Placement of the topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The unused portion of the location (the area outside the dead men) will be re-contoured.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be re-contoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an

extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified and left with a rough surface.

A) Seeding dates:

Seed will be spread when topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

B) Seed Mix:

4#/acre Crested Wheat Grass
4#/acre Indian Rice Grass
4#/acre 4-Wing Salt Brush

11. Surface ownership:

Access road	Federal
Location	Federal
Pipeline	

Federal & Private

12. Other information:

A) Vegetation

The vegetation coverage is Slight. The majority of the existing vegetation consists of non-native species. Rabbit brush, bitter brush, and Indian Rice grass and Sagebrush are also found on the location.

B) Dwellings:

There are no dwellings or other facilities within a one-mile radius of the location.

C) Archeology:

The location has been surveyed. A copy of that survey will be forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations, which would affect such sites, will be suspended and the discovery reported promptly to the surface management agency.

D) Water:

The nearest water is the Coyote Wash located ½ mile to the East.

E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

F) Notification:

- a) Location Construction
At least forty eight (48) hours prior to construction of location and access roads.
- b) Location completion
Prior to moving on the drilling rig.
- c) Spud notice
At least twenty-four (24) hours prior to spudding the well.
- d) Casing string and cementing
At least twenty-four (24) hours prior to running casing and cementing all casing strings.
- e) BOP and related equipment tests
At least twenty-four (24) hours prior to initial pressure tests.
- f) First production notice
Within five (5) business days after the new well begins, or production resumes after well has been off production for more than 90 days.

G) Flare pit:

The flare pit will be located in **corner C** of the reserve pit out side the pit fences and 100 feet from the bore hole on the east side of the location. All fluids

will be removed from the pit
within 48 hours of occurrence.

H) Safety:

**All access is restricted to the
access road and location.
Signs will be posted at the
beginning of the access road
and on the location to stay
within the disturbed area.**

13. Lessees or Operator's representative
and certification

A) Representative

William A. Ryan
Rocky Mountain Consulting
290 S 800 E
Vernal, UT 84078

Office 435-789-0968
Fax 435-789-0970
Cellular 435-828-0968

All lease and/or unit operations
will be conducted in such a
manner that full compliance is
made with all applicable laws,
regulations, onshore oil and gas
orders, and any applicable
notices to lessees. The operator
is fully responsible for the
actions of his subcontractors. A
copy of these conditions will be
furnished to the field
representative to ensure
compliance.

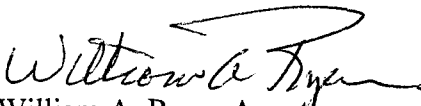
This drilling permit will be
valid for a period of one year
from the date of approval.
After permit termination, a new
application will be filed for

approval for any future
operations.

B) Certification:

I hereby certify that I, or persons
under my direct supervision, have
inspected the proposed drill-site
and access route that I am
familiar with the conditions which
presently exist, that the statements
made in this plan are, to the best
of my knowledge and belief, true
and correct, and that the work
associated with the operation
proposed herein will be
performed by Cabot Oil and Gas
and its contractors and
subcontractors in conformity with
this plan and terms and conditions
with this plan and the terms and
conditions under which it is
approved.

Date _____


William A. Ryan, Agent
Rocky Mountain Consulting

Onsite Dates: 12/13/2005

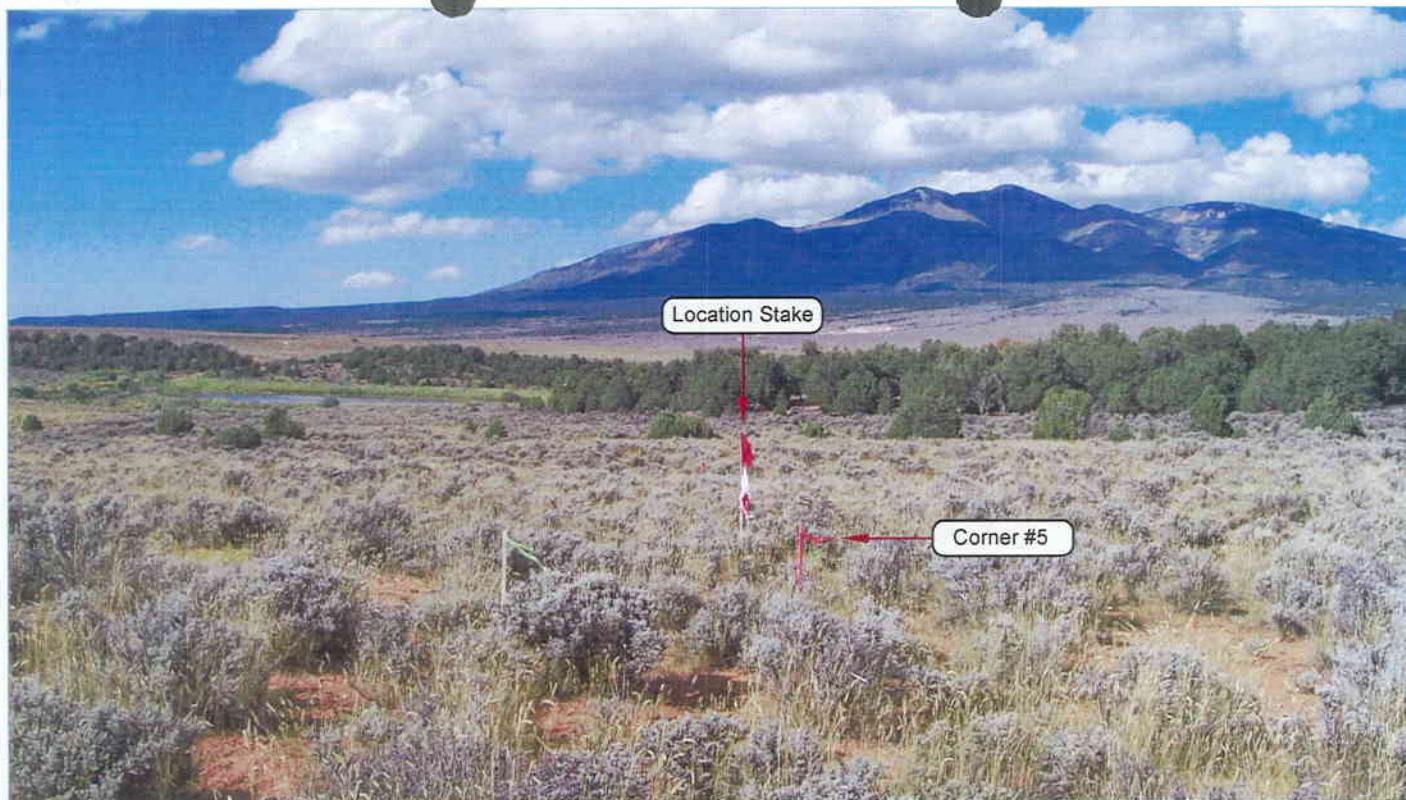


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: WESTERLY

CABOT OIL AND GAS

NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

LOCATION PHOTOS

TAKEN BY: K.R.K.

DRAWN BY: J.R.S.

DATE TAKEN: 09-22-05

DATE DRAWN: 09-27-05

REVISED:

Timberline Land Surveying, Inc.
 38 West 100 North Vernal, Utah 84078
 (435) 789-1365

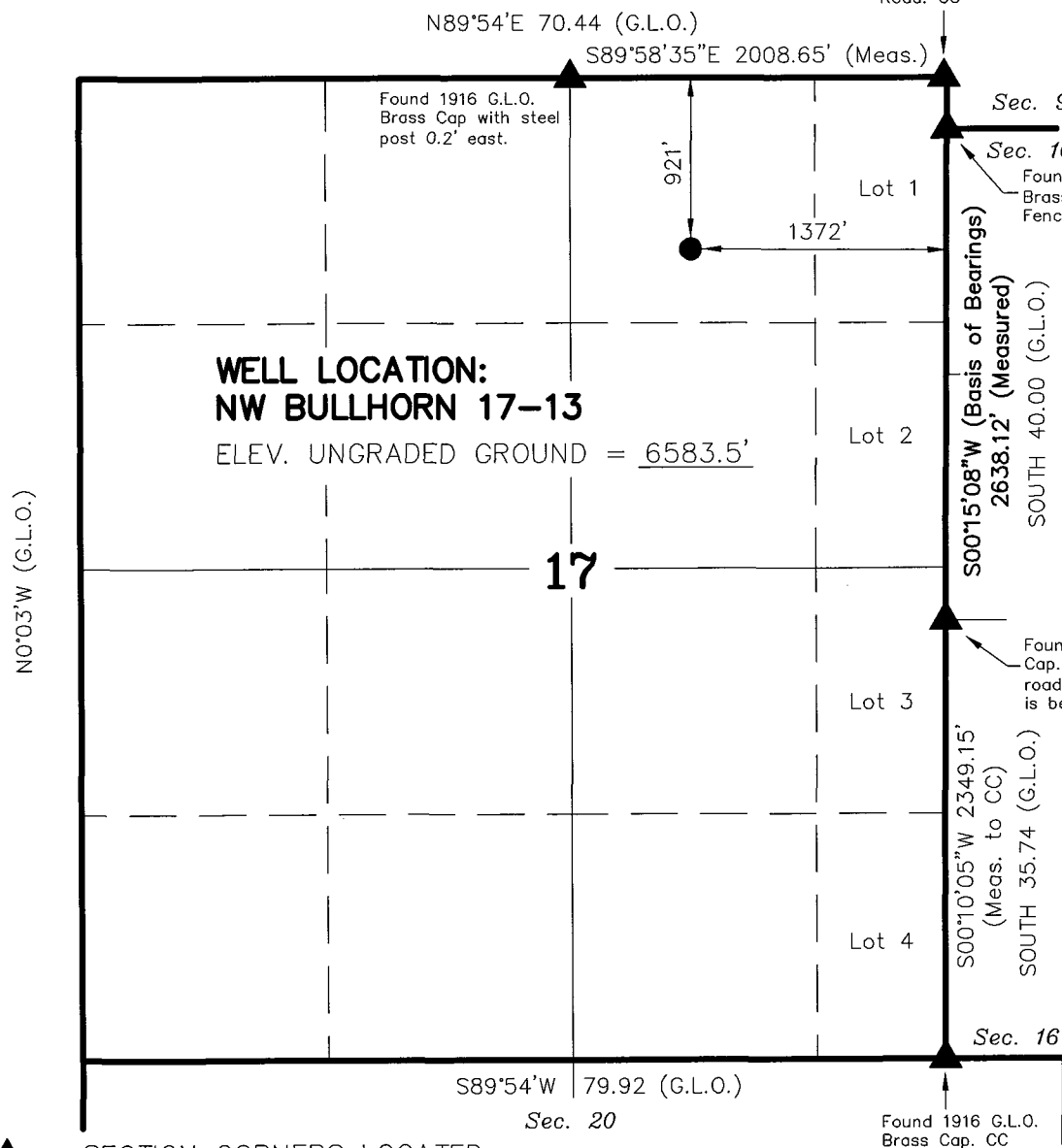
SHEET
1
OF 10

T29S, R24E, S.L.B.&M.

Found 1916 G.L.O.
Brass Cap buried 2' in
bar ditch of County
Road. CC

CABOT OIL AND GAS

WELL LOCATION, NW BULLHORN 17-13,
LOCATED AS SHOWN IN THE NW 1/4
NE 1/4 OF SECTION 17, T29S, R24E,
S.L.B.&M. SAN JUAN COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. Basis of elevation is bench mark G127 1934 located in the West 1/2 of Section 3, T29S, R24E, S.L.B.&M. The elevation of this bench mark is shown on the La Sal West, Utah 7.5 min. Quadrangle as being 6844'.
4. The monument at the Northeast Corner of Section 17 bears N03°07'09"W 277.94' from the monument at the Northwest Corner of Section 16.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

No. 362251
KOLBY R.
REGISTERED LAND SURVEYOR
STATE OF UTAH

TIMBERLINE LAND SURVEYING, INC.

38 WEST 100 NORTH. - VERNAL, UTAH 84078
(435) 789-1365

DATE SURVEYED: 09/22/05	SURVEYED BY: K.R.K.	SHEET 2 OF 10
DATE DRAWN: 09/27/02	DRAWN BY: J.R.S.	
SCALE: 1" = 1000'	Date Last Revised:	

▲ = SECTION CORNERS LOCATED

UTAH STATE PLANE COORDINATES,
1927, SOUTH ZONE

X = 2,632,090.215

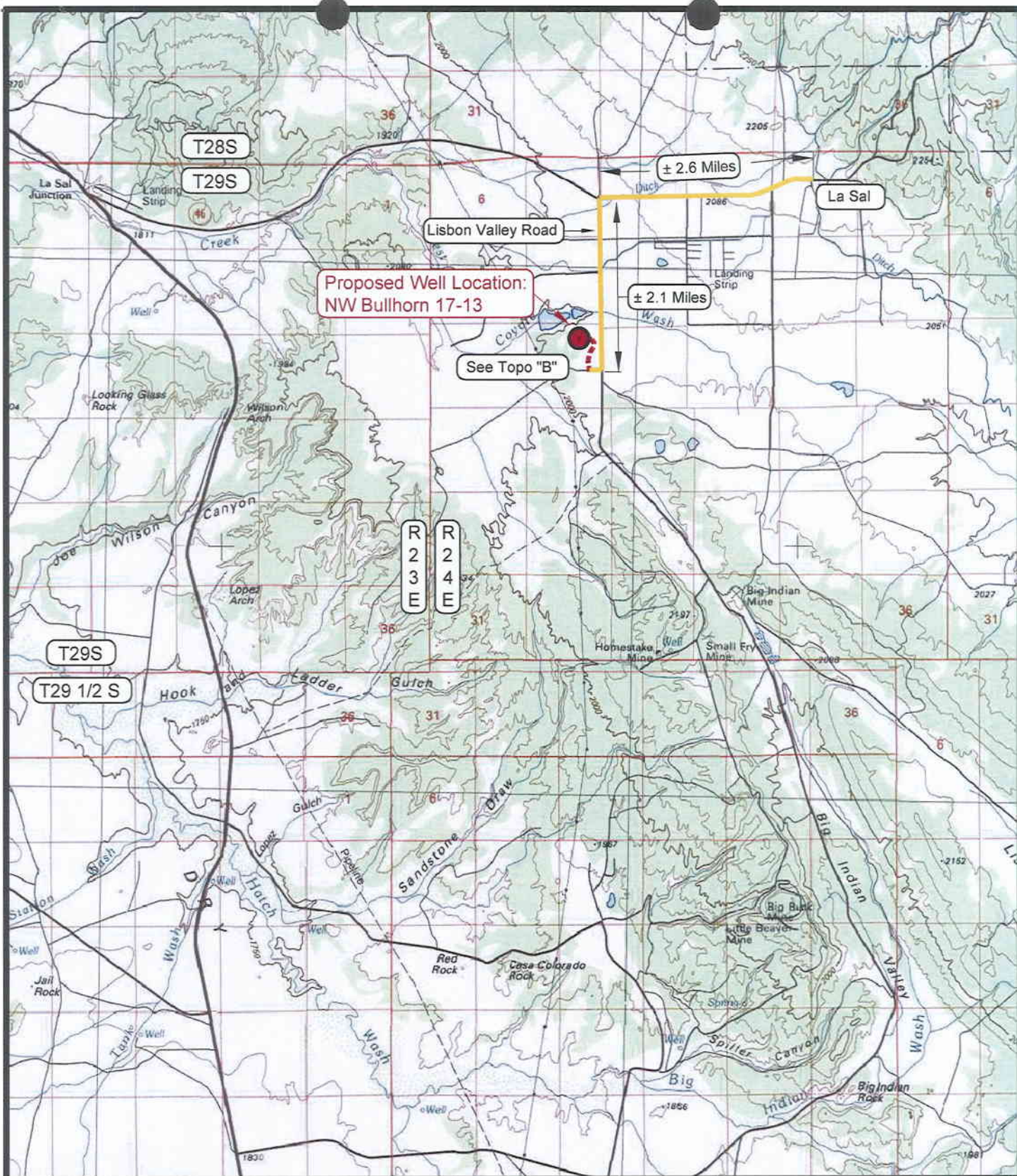
Y = 596,992.096

NW BULLHORN 17-13

(Surface Location) NAD 83

LATITUDE = 38° 17' 08.740" N

LONGITUDE = 109° 17' 54.284" W



LEGEND

PROPOSED ACCESS ROAD
 ■■■■ = SUBJECT WELL
 ■■■■ = SHARED ACCESS
 — = EXISTING ROAD
 — = EXISTING ROAD (TO BE IMPROVED)

— = LEASE LINE AND / OR
 — = PROPERTY LINE

TOPOGRAPHIC MAP "A"

SCALE: 1:100,000

DRAWN BY: J.R.S.

DATE SURVEYED: 09-22-05

DATE DRAWN: 09-27-05

REVISED: 02-23-06 M.W.W.

CABOT OIL AND GAS

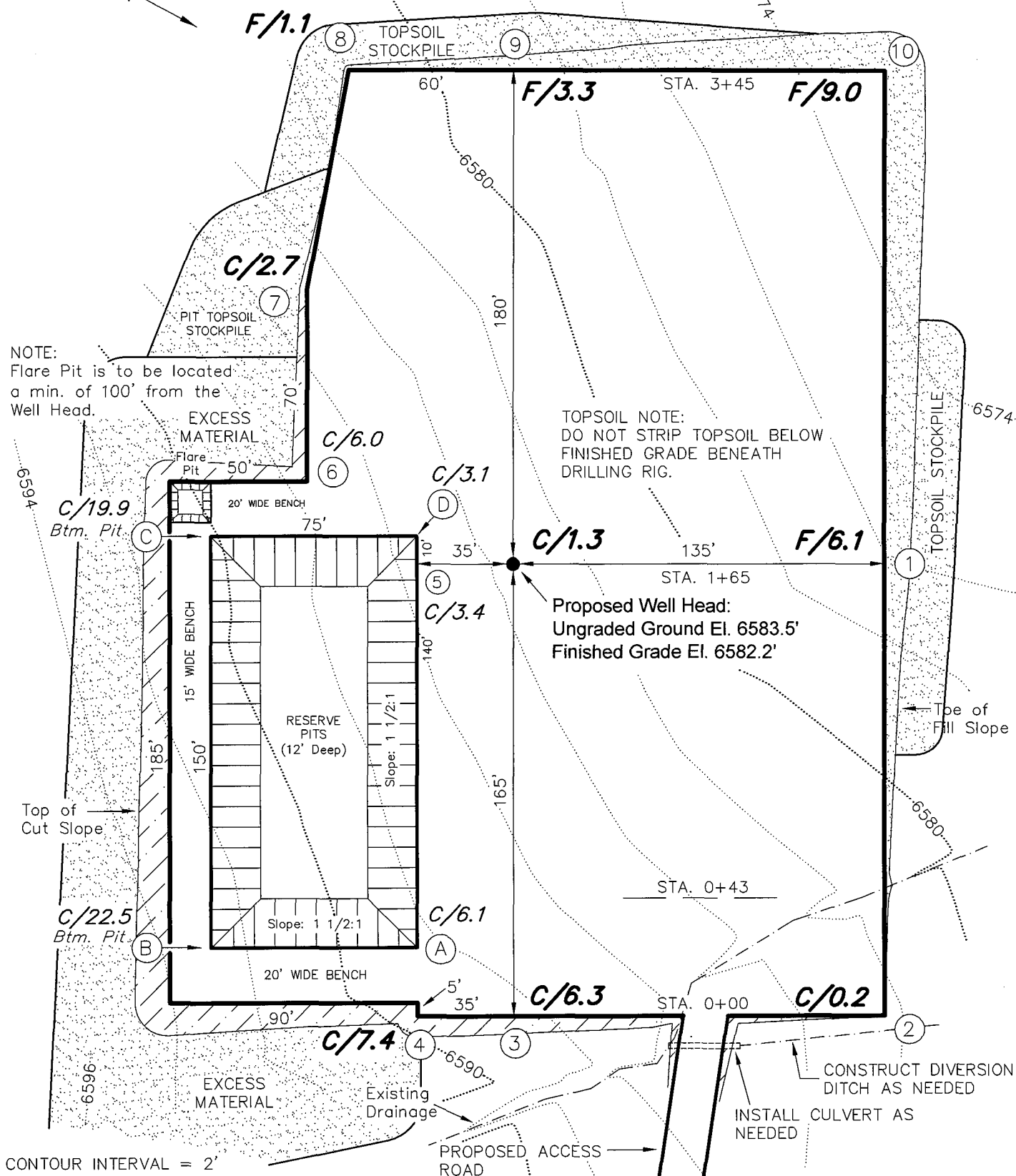
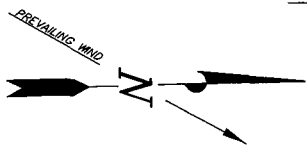
NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

Timberline Land Surveying, Inc.
 38 West 100 North Vernal, Utah 84078
 (435) 789-1365

SHEET
7
 OF 10

CABOT OIL AND GAS

CUT SHEET NW BULLHORN 17-13

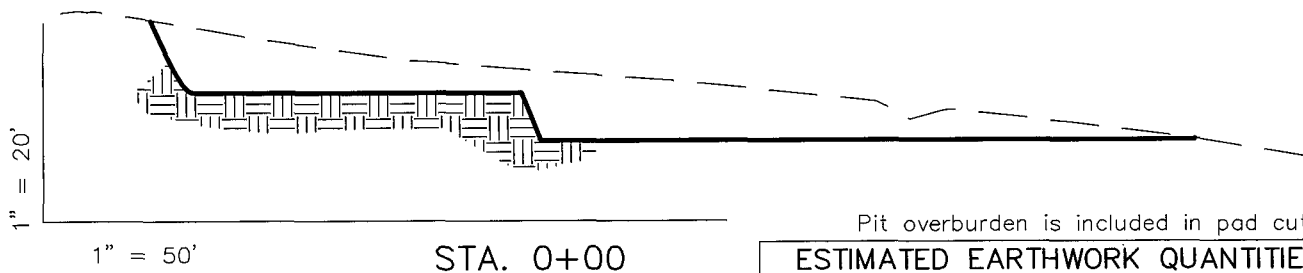
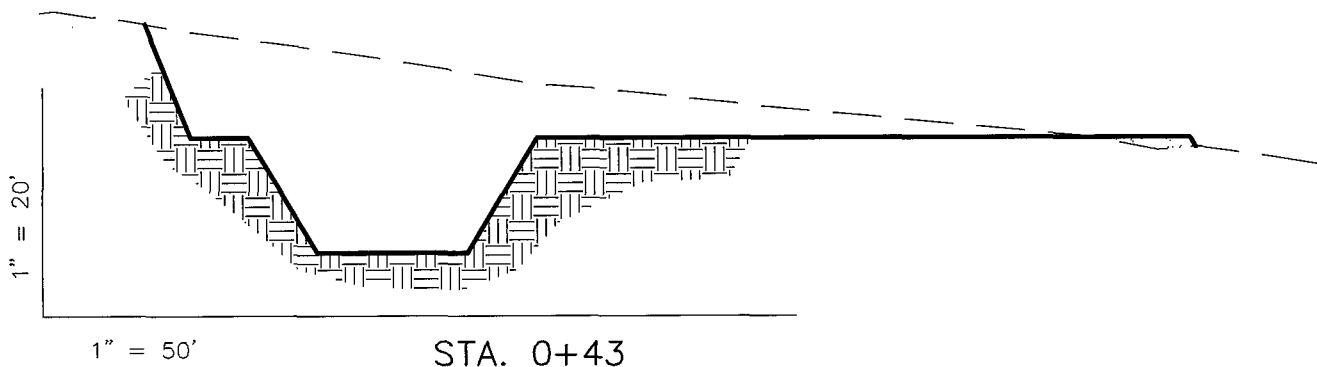
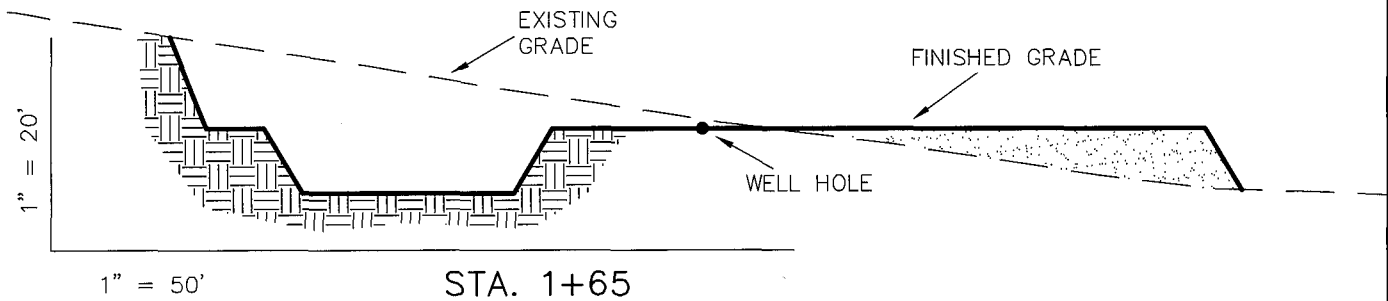
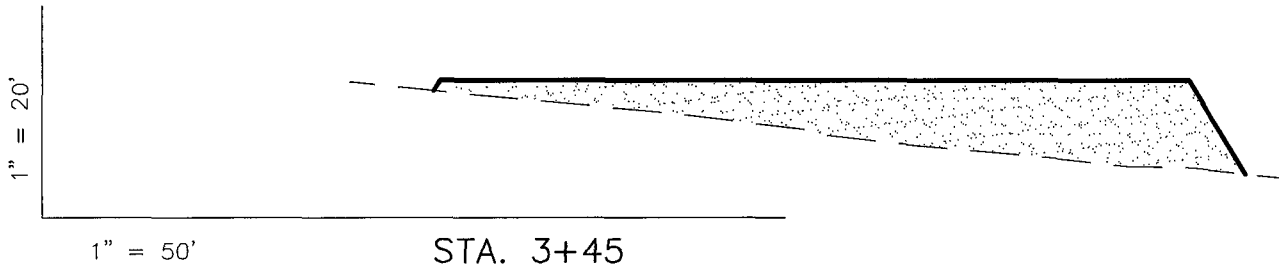


CONTOUR INTERVAL = 2'

Section 17, T29S, R24E, S.L.B.&M.		Qtr/Qtr Location: NW NE		Footage Location: 921' FNL & 1372' FEL	
Date Surveyed: 09-22-05	Date Drawn: 09-27-05	Date Last Revision:	<div>Timberline</div> <div>(435) 789-1365</div> <div>Land Surveying, Inc.</div> <div>38 WEST 100 NORTH VERNAL, UTAH 84078</div>		SHEET 3 OF 10
Surveyed By: K.R.K.	Drawn By: J.R.S.	Scale: 1" = 50'			

CABOT OIL AND GAS

CROSS SECTIONS NW BULLHORN 17-13



Pit overburden is included in pad cut.

ESTIMATED EARTHWORK QUANTITIES (No shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	6,740	6,680	Topsoil is not included in Pad Cut	60
PIT	3,340	0		3,340
TOTALS	10,080	6,680	1,510	3,400

Excess Material after Pit Rehabilitation = 1,730 Cu. Yds.

REFERENCE POINTS

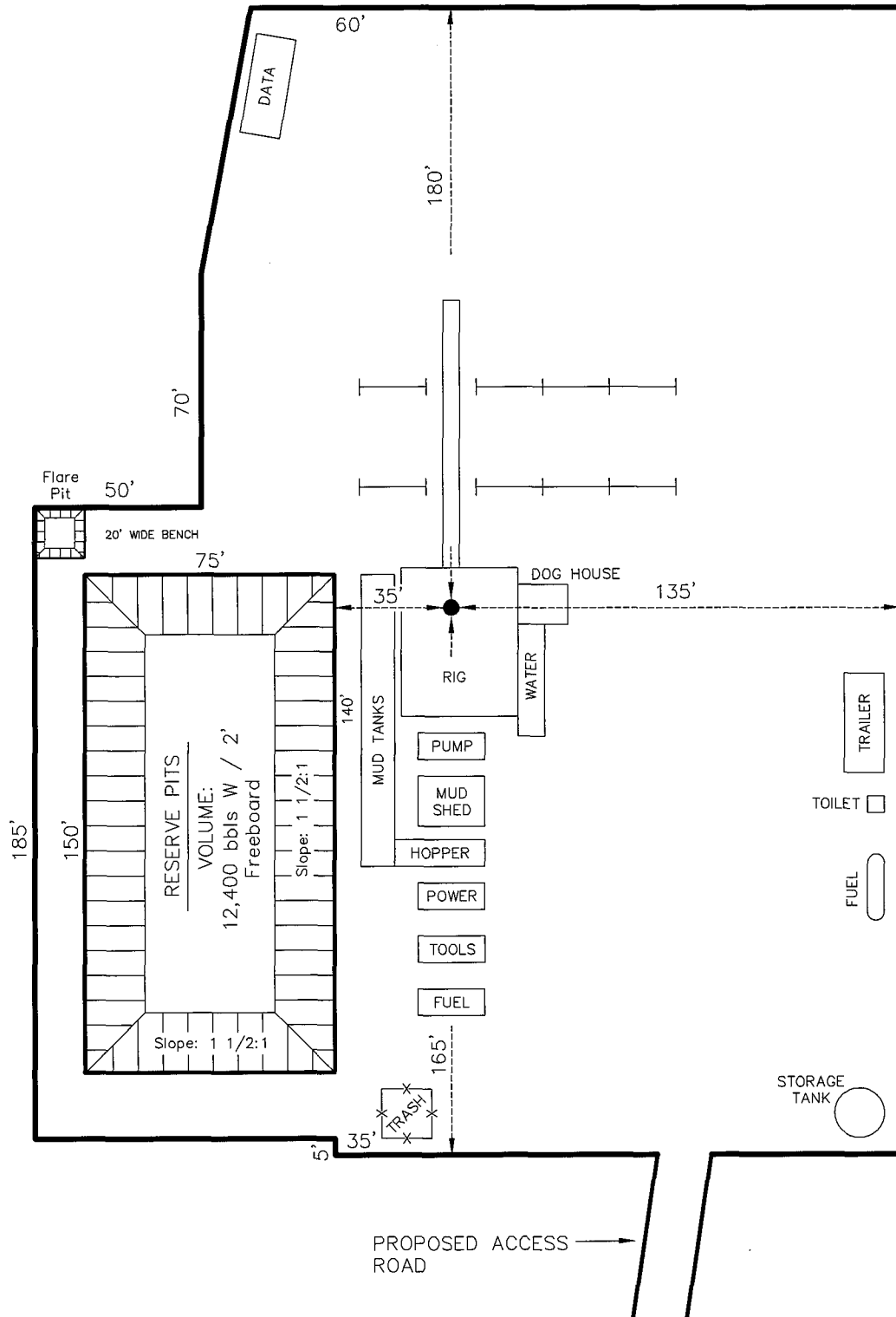
185' NORTHERLY = 6575.4'
 235' NORTHERLY = 6575.0'
 215' EASTERLY = 6590.3'
 265' EASTERLY = 6591.0'

NOTE:
 UNLESS OTHERWISE NOTED
 CUT SLOPES ARE AT 1:1
 FILL SLOPES ARE AT 1.5:1

Section 17, T29S, R24E, S.L.B.&M.		Qtr/Qtr Location: NW NE		Footage Location: 921' FNL & 1372' FEL	
Date Surveyed: 09-22-05	Date Drawn: 09-27-05	Date Last Revision:	<div>Timberline</div> <div>(435) 789-1365</div> <div>Land Surveying, Inc.</div> <div>38 WEST 100 NORTH VERNAL, UTAH 84078</div>		SHEET 4 OF 10
Surveyed By: K.R.K.	Drawn By: J.R.S.	Scale: 1" = 50'			

CABOT OIL AND GAS

TYPICAL RIG LAYOUT NW BULLHORN 17-13

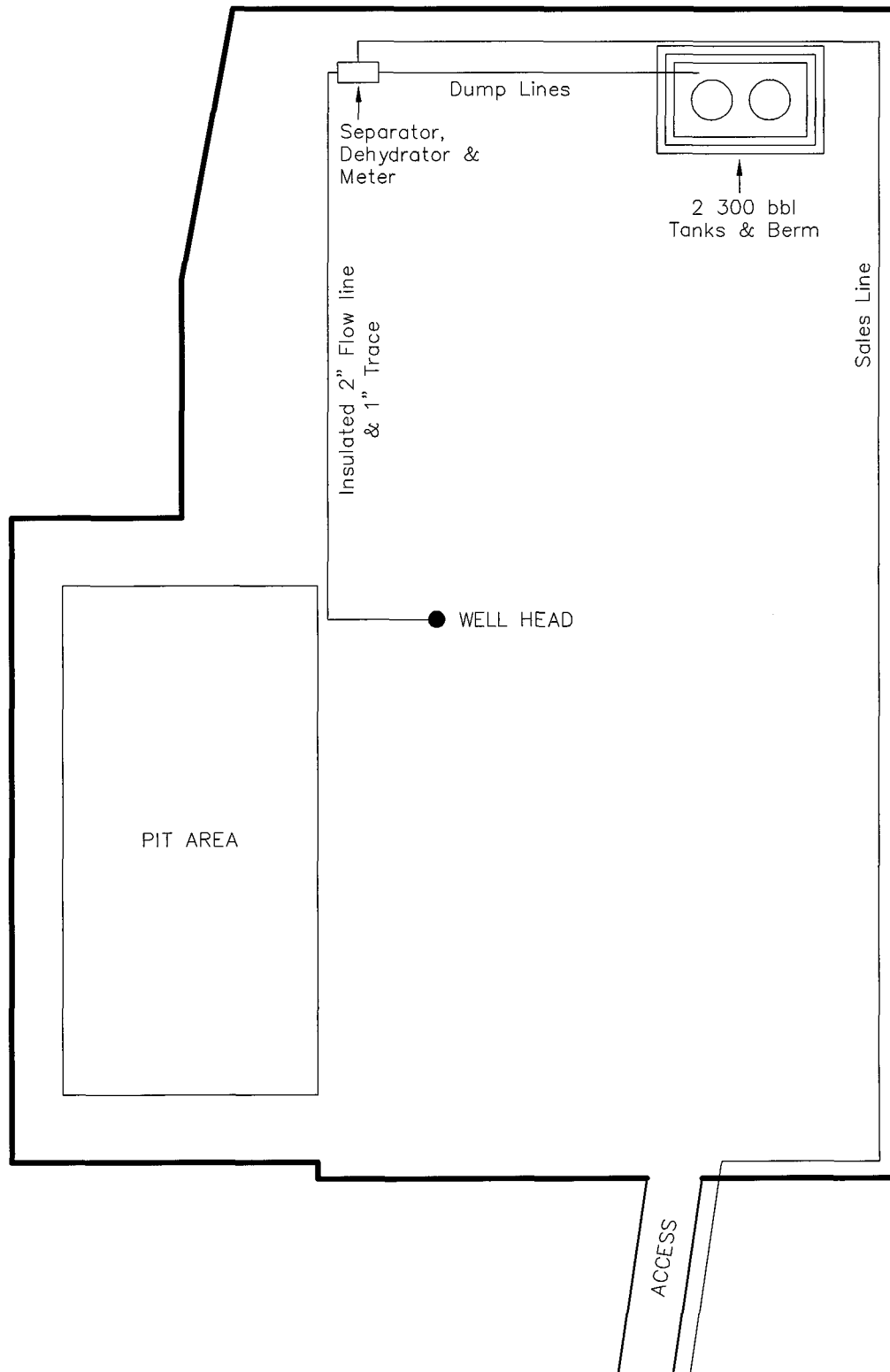


Section 17, T29S, R24E, S.L.B.&M.		Qtr/Qtr Location: NW NE		Footage Location: 921' FNL & 1372' FEL		
Date Surveyed: 09-22-05	Date Drawn: 09-27-05	Date Last Revision:	<div><div>Timberline</div><div>Land Surveying, Inc.</div><div>38 WEST 100 NORTH VERNAL, UTAH 84078</div></div> <div>(435) 789-1365</div>			SHEET 5 OF 10
Surveyed By: K.R.K.	Drawn By: J.R.S.	Scale: 1" = 50'				

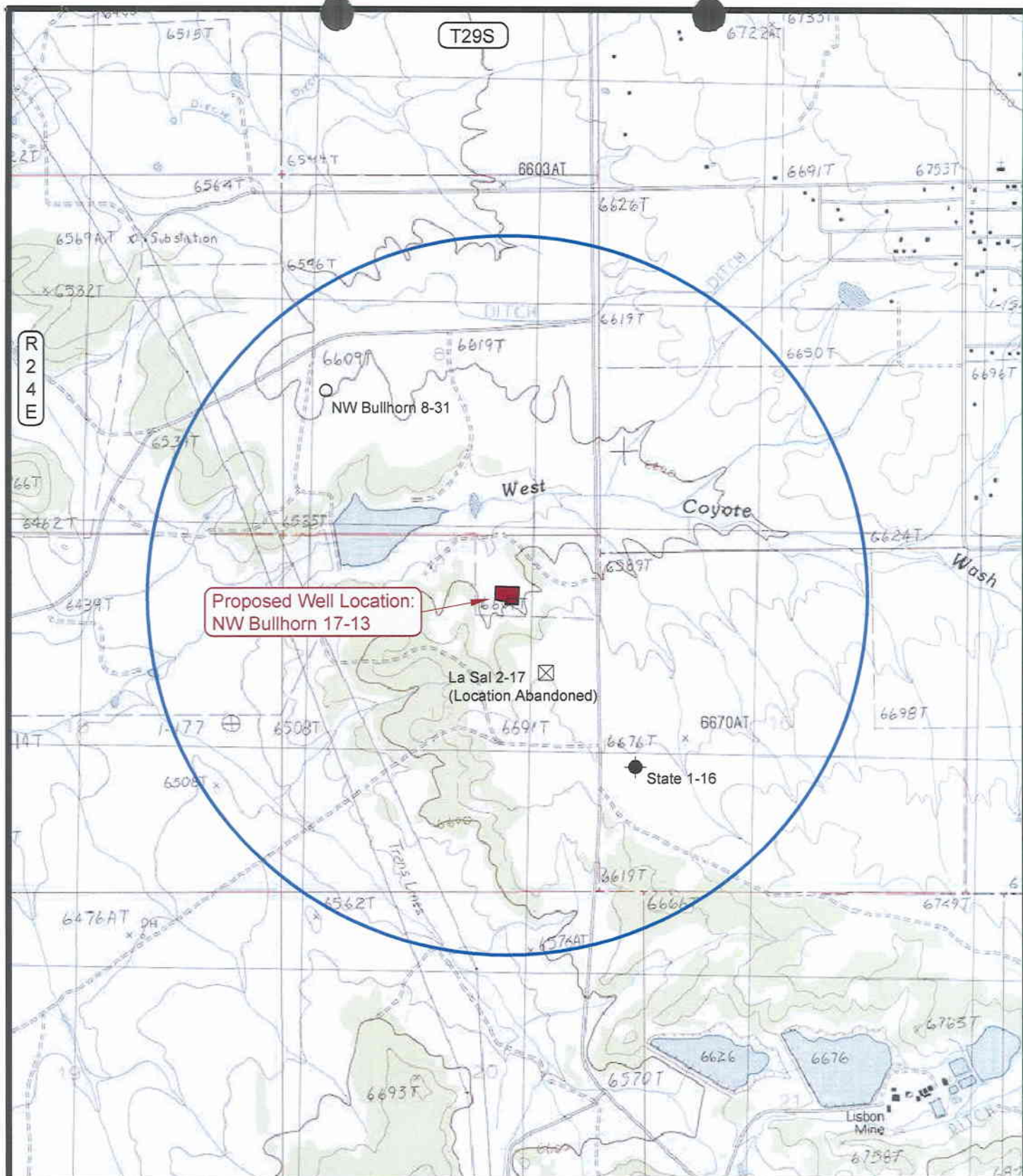
CABOT OIL AND GAS

TYPICAL PRODUCTION LAYOUT

NW BULLHORN 17-13



Section 17, T29S, R24E, S.L.B.&M.		Qtr/Qtr Location: NW NE	Footage Location: 921' FNL & 1372' FEL
Date Surveyed: 09-22-05	Date Drawn: 09-27-05	Date Last Revision:	<i>Timberline</i> (435) 789-1365
Surveyed By: K.R.K.	Drawn By: J.R.S.	Scale: 1" = 50'	<i>Land Surveying, Inc.</i> 38 WEST 100 NORTH VERNAL, UTAH 84078
			SHEET 6 OF 10



LEGEND

- ⊗ = DISPOSAL WELL
- = PRODUCING WELL
- = SHUT IN WELL
- = PROPOSED WELL
- ⊗ = WATER WELL
- = ABANDONED WELL
- = TEMPORARILY ABANDONED WELL

TOPOGRAPHIC MAP "C"

DATE SURVEYED: 09-22-05

DATE DRAWN: 09-27-05

SCALE: 1" = 2000'

DRAWN BY: J.R.S.

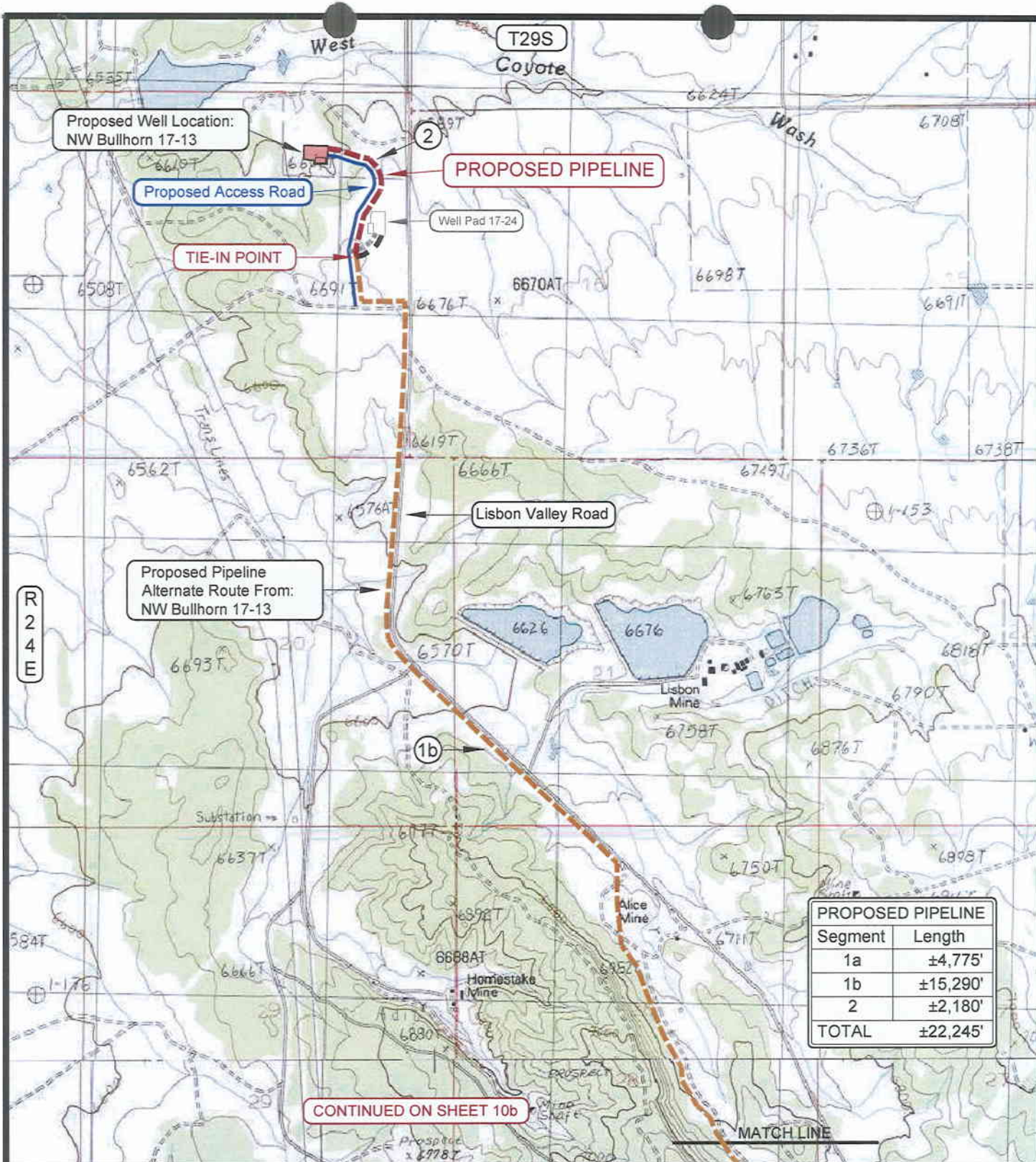
REVISED:

CABOT OIL AND GAS

NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

Timberline Land Surveying, Inc.
 38 West 100 North Vernal, Utah 84078
 (435) 789-1385

SHEET
9
OF 10



APPROXIMATE PIPELINE LENGTH = 22,245 Feet

LEGEND

- = PROPOSED PIPELINE
- = OTHER PIPELINE
- = PROPOSED PIPELINE ALTERNATE ROUTE
- = PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = OTHER WELLS
- = LEASE LINE AND / OR PROPERTY LINE

TOPOGRAPHIC MAP "D"

SCALE: 1" = 2000'

DRAWN BY: J.R.S.

DATE SURVEYED: 0922-05

DATE DRAWN: 09-27-05

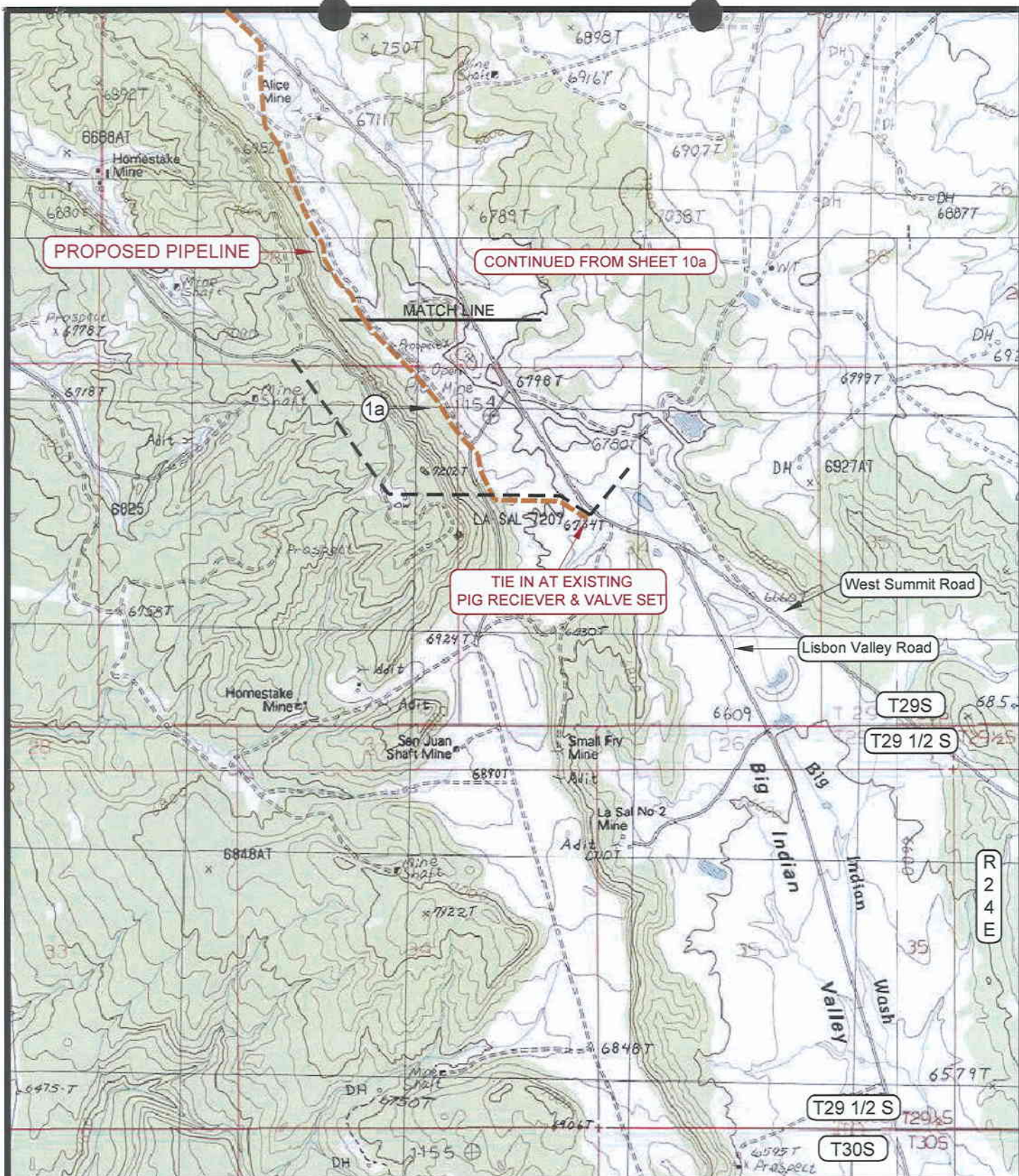
REVISED: 03-17-06 M.W.W.

CABOT OIL AND GAS

NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

Timberline Land Surveying, Inc.
 38 West 100 North Vernal, Utah 84078
 (435) 789-1365

SHEET
10a
OF 10



LEGEND

- | | |
|---|---|
| --- = PROPOSED PIPELINE | --- = PROPOSED ACCESS ROAD |
| --- = OTHER PIPELINE | --- = SUBJECT WELL |
| --- = PROPOSED PIPELINE ALTERNATE ROUTE | --- = OTHER WELL |
| | --- = LEASE LINE AND / OR PROPERTY LINE |

TOPOGRAPHIC MAP "D"

SCALE: 1" = 2000'

DRAWN BY: J.R.S.

DATE SURVEYED: 09-22-05

DATE DRAWN: 09-27-05

REVISED: 03-17-06 M.W.W.

CABOT OIL AND GAS

NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

Timberline Land Surveying, Inc.
 38 West 100 North Vernal, Utah 84078
 (435) 789-1365

SHEET
10b
OF 10

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-78731

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
NW Bullhorn 17-13

9. API Well No.
43-037-31844

10. Field and Pool, or Exploratory Area
Wildcat

11. County or Parish, State
San Juan County, UT

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Cabot Oil & Gas Corporation

Contact: **Terry Jackson**

3a. Address
600 17th Street, Suite 900 N Denver, CO 80202-8959

3b. Phone No. (include area code)
303-226-9400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

At surface: **921' FNL 1,372' FEL NW/4 NE/4 Sec. 17 T29S-R24E**

At proposed prod zone: **same as above**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other submit H2S contingency plan
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Attached please find Cabot's H2S Contingency plan for the NW Bullhorn # 17-13

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Rolando D. Benavides

Title **Operations**

Signature



Date **May 16, 2006**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

MAY 22 2006

DIV. OF OIL, GAS & MINING

SAN JUAN COUNTY, UTAH

Ambulance, Police, Fire: 911

Non-emergency dispatch:..... 435-587-3225

HOSPITALS

Blanding, Utah 84511

San Juan Regional Medical Center 435-678-3434

804 N. 400 West

Eagle Air Med Corporation.....435-3222

CORTEZ, CO

Southwest Memorial Hospital 970-565-6666

1311 N. Mildred Road

SHIPROCK, NM

Northern Navajo Medical Center 800-549-5644

U.S. Hwy 666 N

Doctor: _____

Bureau of Land Management, Utah 801-539-4001
Utah Department of Public Safety 800-222-0038
Navajo Police Department, Shiprock, NM 505-368-1350
Utah Oil & Gas Division 801-538-5277
Utah Poison Control 800-222-1222
Utah Department of Wildlife Resources 801-539-4001
Utah State OSHA (Occupational Safety Health Administration) 801-530-6855
"One Call", Statewide ("Call Before You Dig") 800-662-4111
Poison Control 800-432-6866
Division of Emergency Services & Homeland Security 801-538-3400
San Juan County, UT Sheriff, Monticello, UT 435-587-2237
Utah State Highway Patrol, Moab, UT 435-259-5441
CHEMTREC 800-724-9300

SAFETY ALLIANCE, INC.

"Partnerships for Safe Working Environments"



NW Bullhorn # 17-13
H2S Contingency Plan

LOCATION INFORMATION

Location Name:	NW Bullhorn # 17-13
Rig Name and Number:	United Drilling # 28
Company Phone Number (location):	254-387-9573 (Trailer)
Location Supervisor:	Dave Moore/Lee Vaughan
Rig Supervisor/Tool Pusher:	To be determined
Safety Consultant:	Safety Alliance, Inc. 505-325-7233
Township and Range:	Sec. 17-T29S-R24E (NW/4 NE/4)
Latitude and Longitude:	Lat: 38.285780 N Long: 109.297613 W

LIST OF EMERGENCY COMPANY CONTACT NUMBERS

Contacts	Cabot Oil & Gas Corporation Title	Work Phone	Home Phone	Cell Phone
Terry Jackson	Sr. Drilling & Completion Engineer	303-226-9429	303-771-0570	303-868-6612
David Wojahn	Regional Operations Manager	303-226-9423	303-771-0866	303-929-7753
Phil Stalnaker	Western Regional Manager	303-226-9433	303-770-2403	303-902-6150

CHECK LIST

List of Emergency Numbers:	See above.
Daily Weather Reports:	To be obtained daily by consultant.
Radius of Exposure:	To be calculated by consultant.
Topography of the Area	Attached.
List of Residents and Businesses within a two mile radius.	There are none.

**CABOT OIL & GAS CORP.
NW BULLHORN # 17-13
SEC. 17, T29S, R24E, S.L.B. & M.**

Proceed in a westerly direction from La Sal, Utah along State Highway 46 approximately 2.6 miles to the junction of the Lisbon Valley Road; exit left and proceed in a southerly direction along the Lisbon Valley Road approximately 2.1 miles to the junction of the West Coyote Road; exit right and proceed in a westerly direction approximately 0.1 miles to the proposed access road; follow road flags in a northerly direction approximately 2,860 feet to the proposed locations.

Total distance from La Sal, Utah to the proposed well location is approximately 5.3 miles.

T29S, R24E, S.L.B.&M.

Found 1916 G.L.O.
Brass Cap buried 2' in
bar ditch of County
Road. CC

CABOT OIL AND GAS

N89°54'E 70.44 (G.L.O.)
S89°58'35"E 2008.65' (Meas.)

Found 1916 G.L.O.
Brass Cap with steel
post 0.2' east.

Sec. 9

Sec. 16

Found 1915 G.L.O.
Brass Cap under R/W
Fence

Lot 1

1372'

921'

**WELL LOCATION:
NW BULLHORN 17-13**

ELEV. UNGRADED GROUND = 6583.5'

Lot 2

17

S00°15'08"W (Basis of Bearings)
2638.12' (Measured)
SOUTH 40.00 (G.L.O.)

Found G.L.O. Brass
Cap. On West edge
road. Buried 1'. Pipe
is bent.

Lot 3

S00°10'05"W 2349.15'
(Meas. to CC)
SOUTH 35.74 (G.L.O.)

Lot 4

Sec. 16

S89°54'W 79.92 (G.L.O.)

Sec. 20

Found 1916 G.L.O.
Brass Cap. CC

N0°03'W (G.L.O.)

WELL LOCATION, NW BULLHORN 17-13.
LOCATED AS SHOWN IN THE NW 1/4
NE 1/4 OF SECTION 17, T29S, R24E,
S.L.B.&M. SAN JUAN COUNTY, UTAH.

NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. Basis of elevation is bench mark G127 1934 located in the West 1/2 of Section 3, T29S, R24E, S.L.B.&M. The elevation of this bench mark is shown on the La Sal West, Utah 7.5 min. Quadrangle as being 6844'.
4. The monument at the Northeast Corner of Section 17 bears N03°07'09"W 277.94' from the monument at the Northwest Corner of Section 16.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF SURVEYS
MADE BY ME OR UNDER MY SUPERVISION, AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

Kelly R. Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO. 362251
STATE OF UTAH

TIMBERLINE LAND SURVEYING, INC.

38 WEST 100 NORTH - VERNAL, UTAH 84078
(435) 789-1365

DATE SURVEYED:
09/22/05

SURVEYED BY: K.R.K.

DATE DRAWN:
09/27/02

DRAWN BY: J.R.S.

SCALE: 1" = 1000'

Date Last Revised:

SHEET

2

OF 10

▲ = SECTION CORNERS LOCATED

UTAH STATE PLANE COORDINATES,
1927, SOUTH ZONE

X = 2,632,090.215

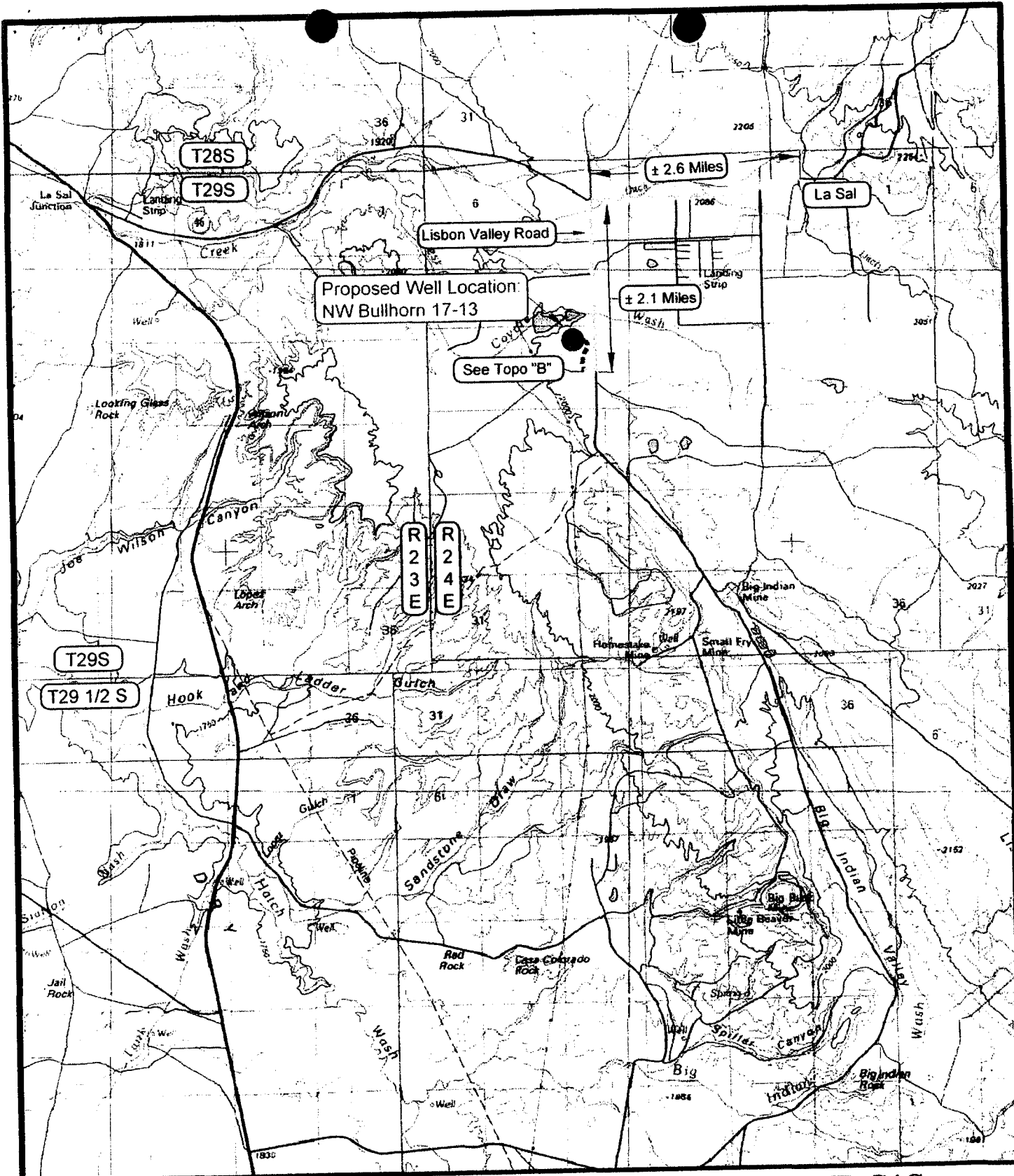
Y = 596,992.096

NW BULLHORN 17-13

(Surface Location) NAD 83

LATITUDE = 38° 17' 08.740" N

LONGITUDE = 109° 17' 54.284" W



LEGEND

- PROPOSED ACCESS ROAD
 - - - - - = SUBJECT WELL
 - - - - - = SHARED ACCESS
 = EXISTING ROAD
 - - - - - = EXISTING ROAD (TO BE IMPROVED)
- = LEASE LINE AND / OR
 PROPERTY LINE

TOPOGRAPHIC MAP "A"

SCALE: 1:100,000

DRAWN BY: J.R.S.

DATE SURVEYED: 09-22-05

DATE DRAWN: 09-27-05

REVISED: 02-23-06 M.W.W.

CABOT OIL AND GAS

NW Bullhorn 17-13
 SECTION 17, T29S, R24E, S.L.B.&M.
 921' FNL & 1372' FEL

Timberline Land Surveying, Inc.
 38 West 100 North Vernal, Utah 84078
 (435) 789-1365

SHEET
 7
 OF 10

T29S

Hecla
Shaft

La Sal Junction \pm 6.4 Miles

La Sal \pm 2.6 Miles

State Highway 46

Lisbon Valley Road

R
2
4
E

\pm 2.1 Miles

Proposed Well Location:
NW Bullhorn 17-13

Coyote

Wash

Install Gate

Proposed Access Road
 \pm 2,860 Feet

Well Pad 17-24

66/0AT

West Coyote Road

\pm 0.1 Miles

LEGEND

- PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = SHARED ACCESS
- = EXISTING ROAD
- = EXISTING ROAD (TO BE IMPROVED)
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TOPOGRAPHIC MAP "B"

SCALE: 1" = 2000'

DRAWN BY: J.R.S.

DATE SURVEYED: 09-22-05
DATE DRAWN: 09-27-05
REVISED: 02-23-06 M.W.W.

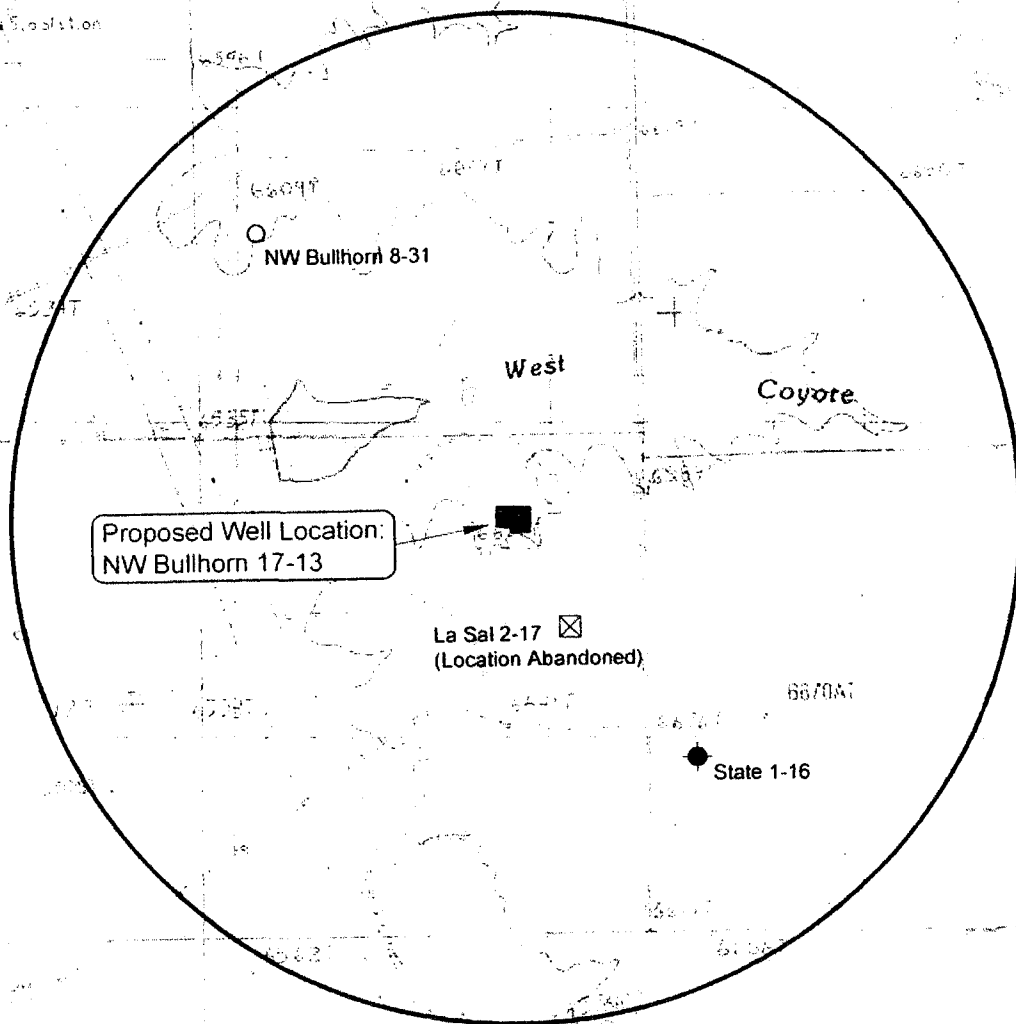
CABOT OIL AND GAS

NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

Timberline Land Surveying, Inc.
38 West 100 North Vernal, Utah 84078
(435) 789-1365

SHEET
8
OF 10

T29S

R
2
4
E

LEGEND

- | | |
|--------------------|--------------------------------|
| ○ = DISPOSAL WELL | ○ = WATER WELL |
| ● = PRODUCING WELL | ● = ABANDONED WELL |
| ● = SHUT IN WELL | ● = TEMPORARILY ABANDONED WELL |
| ○ = PROPOSED WELL | |

TOPOGRAPHIC MAP "C"

DATE SURVEYED: 09-22-05

DATE DRAWN: 09-27-05

SCALE: 1" = 2000'

DRAWN BY: J.R.S.

REVISED:

CABOT OIL AND GAS

NW Bullhorn 17-13
SECTION 17, T29S, R24E, S.L.B.&M.
921' FNL & 1372' FEL

Timberline Land Surveying, Inc.
 38 West 100 North Vernal, Utah 84078
 (435) 789-1365

SHEET
9
OF 10

HYDROGEN SULFIDE CONTINGENCY PLAN

Company Operation Manager

1. The Company Operation Manager will be responsible for notifying and maintaining contact with company managers and supervisory personnel.
2. Maintain communication with the location supervisor to proceed with any other assistance that might be required.
3. Travel to well location is appropriate.
4. Assist location supervisor with all other notifications-both company and regulatory.

Well Specialist (Location Supervisor)

1. The location supervisor will confirm that all personnel on location at any time are trained in Hydrogen Sulfide Safety Awareness, are clean shaven and are familiar with safety equipment on-site and have personal Hydrogen Sulfide monitor for their protection.
2. Ensure that all safety and emergency procedures are observed by all personnel.
3. Make an effort to keep the number of personnel on location to a minimum and to ensure that only essential personnel are on location during critical operations.
4. Conduct weekly hydrogen sulfide emergency mock drill.
5. Should extreme danger condition exist, the location supervisor will:
 - a. Assess the situation and advise all personnel by appropriate means of communication.
 - b. Be responsible for determining that the extreme danger condition is warranted and the red flag shall be posted at location entrance.
 - c. Go to safe briefing area and give clear instructions relative to hazard on location, and actions for personnel to follow.
 - d. Notify company and regulatory groups of current situation as outlined in company protocol. Follow appropriate emergency procedures for emergency services notification.
 - e. Proceed to rig floor and supervise operations with rig supervisor. Take action to control and reduce the hydrogen sulfide hazard.
 - f. Ensure that essential personnel are properly protected with supplied air breathing equipment and that non-essential personnel are in a muster station free hydrogen sulfide.
 - g. Be responsible for authorizing evacuation of persons/residents in area surrounding the drilling location.

Rig Supervisor-Tool Pusher

1. If the Location Supervisor is unable to perform his/her duties, and the alternate representative is also unable or unavailable to perform his/her duties, the rig supervisor-tool pusher will assume command of well site operations and all responsibilities listed above for rig personnel.
2. Ensure that all rig personnel are properly trained to work in Hydrogen Sulfide environment and fully understand the purpose of hydrogen sulfide monitors and alarms, and the action to take when alarms visual/audible initiate. Ensure that all crew members that all crew personnel understand the buddy system, safe briefing areas, muster stations, emergency evacuation procedures and individual duties.
3. Should an extreme danger operational condition arise, the rig supervisor-tool pusher shall assist the Location Supervisor by:
 - a. Proceeding to the rig floor and assist in supervising rig operations.
 - b. Ensure that only essential personnel remain in the hazardous areas.
 - c. Ensure that all personnel that remain in hazardous area, wear supplied air breathing equipment until notified all is "**CLEAR**" of any toxic gases.
 - d. Assign rig crew member or other service representative to block entrance to location. No unauthorized personnel will be allowed entry to location.
 - e. Help to determine hazardous "danger zones" on location using portable detection equipment.
 - f. Position electric fans to move gas in any high concentration areas with Continuous monitoring of the area.

SAFETY CONSULTANT

1. During NORMAL operations (no hydrogen sulfide present), the safety consultant will be responsible for the following:
 - a. Ensure that all well site safety equipment is in place and operational.
 - b. Ensure that all well site personnel are familiar with location safety layout and operation of all safety equipment.
 - c. Ensure that all well site personnel are adequately trained in Hydrogen Sulfide Safety Awareness and are cleaned shaven.
 - c. Assist location supervisor with weekly hydrogen sulfide emergency mock drill.
2. When an operational condition is classified as extreme danger, the safety consultant will be responsible for the following:
 - a. Account for all well site personnel.
 - b. Assess any injuries and direct first aid measure.
 - c. Ensure that all safety and monitoring equipment is functioning properly and available.

- d. Monitor the safety of well site personnel.
- e. Maintain a close communication with the location supervisor.
- f. Be prepared to assist location supervisor with support of rig crew or other personnel using supplied air breathing equipment.
- g. Be prepared to assist location supervisor with emergency procedures.
- h. Be prepared to assist with evacuation of any area residents or other personnel working in the immediate area.

All Personnel

- 1. Always be alert for possible Hydrogen Sulfide visual/audible alarms.
- 2. Be familiar with location of Safe Briefing Areas and Muster Stations.
- 3. Be familiar with location of and operation of all air supplied breathing equipment.
- 4. Familiarize yourself with nearest escape routes for safe evacuation
- 5. Be aware of prevailing wind direction, any changes in wind direction, or absence of wind by checking the wind socks placed around location, and be aware of uphill direction.
- 6. If hydrogen sulfide lights and/or siren initiates **"STAY CALM"** don escape breathing systems and follow directions of person in charge and proceed to briefing area/muster station. Do not initiate rescue until directed by person in charge.
- 7. Essential personnel shall don Self-Contained Breathing Apparatus (SCBA) and work using the **"BUDDY SYSTEM"** will rescue any victims and work to control Hydrogen Sulfide Release.
- 8. Non-essential personnel shall evacuate to the appropriate safe briefing area using escape breathing systems. Wait there for further instructions from person in charge.

RIG LAYOUT

Location

1. All supplied air breathing equipment and hydrogen sulfide monitors will be rigged up prior to starting any operation suspected to encounter hydrogen sulfide. The rig crews and other service personnel will be trained at this time. This will allow sufficient time for all rig crews to be trained and all safety equipment in place and functioning when the first sour zone is actually encountered.
2. The rig will be situated on location to allow for the prevailing winds to blow across the rig toward the circulation tanks or at right angles to the lines from the B.O.P. s to the circulation tanks.
3. The entrance to the location is designed so that it can be barricaded if a hydrogen sulfide emergency condition arises. An auxiliary exit route will be available so that in case of an emergency, a shift in wind direction would not prevent escape from the location.
4. A minimum of 2 safe briefing areas/muster stations shall be designated for assembly of personnel during emergency conditions. These will be located at least 150 feet or as practical, from the well bore and in such a location that at least one area will be upwind of the well at all times. Upon recognition of an emergency situation, all personnel will be trained to assemble at the designated briefing area for instructions.
5. Smoking areas will be established and **"NO SMOKING"** signs will be posted around the location.
6. Reliable 24 hour radio or telephone communications will be available.
7. A hydrogen sulfide sensor will be rigged up at the manifold to the choke system.
8. All equipment that might come into contact with hydrogen sulfide – drill pipe/work strings, test tools, blowout preventer, casing, choke system will meet metallurgy requirements for hydrogen sulfide service.
9. The rig will have a continuous electronic hydrogen sulfide detection system that automatically will activate visible and audible alarms if hydrogen sulfide is detected. The visible light will activate at 10 ppm H₂S, and audible siren will activate if 15 ppm or higher concentration is present. There will be at least 4 H₂S sensors in place on the rig. They will be located to detect the presence of hydrogen sulfide in areas where it is most likely to come to the surface. The sensor head locations will be: 1) rig floor by driller's console, 2) substructure area near the bell nipple, 3) two additional sensors will be positioned at the discretion of the location supervisor. At least one light and one siren will be placed on the rig so that the presence of hydrogen sulfide. The light and siren will be strategically placed to be visible to all personnel on the location site. Additional alarm

lights & sirens may be added to ensure that all personnel on the drill site are able to visibly see the lights from anywhere on location.

10. The H₂S detection equipment will be calibrated as recommended by the manufacturer.

11. At least 2 windsocks will be placed around the location site to ensure that everyone on the location can readily determine wind direction. One windsock will be mounted on or near the rig floor to be readily visible to rig crews when tripping pipe.

12. All respiratory protective equipment will be NIOSH/MSHA approved positive pressure type and maintained according to manufacturer's guidelines. All breathing air used for this equipment must be tested every 6 months and approved GRADE D compressed breathing air.

13. Both 30 minute self-contained breathing apparatus (SCBA) and work units with escape cylinders will be available on location. There will be sufficient numbers of this supplied air breathing equipment on location to ensure that all personnel on location have 1 piece of equipment available to them. All respiratory protective equipment will use nose cups to prevent fogging in temperatures below 32 degrees F. Spectacle kits will be available for personnel that require corrective lenses when working under mask.

14. Hydrogen Sulfide mock drills will be conducted at least weekly to ensure that all well site personnel are competent in emergency donning procedures. These drills will be recorded in the daily log.

SAFETY PROCEDURES

Training

All personnel who come on the location must be properly trained in hydrogen sulfide safety awareness. Must be clean shaven and have a Hydrogen Sulfide Safety Awareness card that has not expired.

Training topics shall include at a minimum:

- a. hazards and characteristics of hydrogen sulfide, nitrogen, and oxygen deficient atmospheres and symptoms of exposure to these gases.
- b. proper use, care and limitation of respiratory protective equipment with hands on practice.
- c. use of both fixed and portable detection monitors.
- d. work practices to reduce opportunities for hydrogen sulfide exposure as well as confined space procedures.
- e. first aid for toxic gas exposure and resuscitation equipment.
- f. the buddy system

- g. emergency evacuation procedures
 - h. a review of the contingency plan for the well
- In addition to hydrogen sulfide safety awareness personnel need to be currently trained in adult CPR/First Aid/Bloodborne Pathogens.

OPERATING CONDITIONS

Operating Conditions

A sign with three color flag warning system will be used to notify personnel approaching the location under what condition the location is operating at. This system will be in compliance with BLM standards 00#6 and industry standards both state and federal.

Green Flag – potential danger

Yellow Flag – moderate danger

Red flag – extreme danger –do not approach if red flag is flying.

Evacuation Plan

If there is residents/business/work going on within a 2 mile radius of the location site, they will be notified and asked to evacuate.

Evacuations will be initiated by the company managers/supervisors and coordinated with appropriate emergency services.

All regulatory agencies will be notified as soon as possible.

Emergency Rescue Procedures

Well site personnel should not attempt emergency rescues unless they have been properly trained. a trained person who discovers another person overcome by hydrogen sulfide should not attempt **RESCUE** without donning a self-contained breathing apparatus (SCBA). When making an emergency rescue always use the following procedures:

1. Don self-contained breathing apparatus (SCBA) before attempting a rescue.
2. Remove the victim using the buddy system, from the contaminated area to an area free of toxic gas by going upwind or cross wind and personal monitors have stopped alarming before removing your SCBA.
3. Check victims Airway, Breathing, and Circulation (ABC's) and provide appropriate care using barrier devices such as micro-shield, resuscitation pocket mask, or a Bag-valve-mask w/oxygen if available and appropriately trained.
4. As soon as emergency personal arrive patient care will be given to them.

5. Any personnel who experienced hydrogen sulfide exposure will be transported via appropriate transportation to the closest hospital/clinic/doctors office for further testing and observation. And release of patient will be under written advisement of physician in charge.
6. All contract companies will be advised and will cooperate and work with the accident investigation and be notified of any accident investigation results.

HYDROGEN SULFIDE SAFETY EQUIPMENT

QUANTITY	DESCRIPTION
1	Safety trailer with cascade system consisting of (8) 347 cu.ft. compressed air tanks with high-pressure regulators. certificate available.
1	1000 ft. low pressure airline hose with Hanson locking fittings, rigged-up with manifolds to supply breathing air to the personnel on the rig floor, substructure, derrick, shale shaker area, and mud mixing areas.
6	Self-contained breathing apparatus (SCBA)
6	Emergency Escape Breathing Apparatus (EEBA)
1	4-channel continuous electronic hydrogen sulfide monitor with visual/audible alarm. Span and set at 10-15 ppm by a certified technician and calibration sheet available as well as sticker on unit.
1	Gastec and/or detcon detection pump unit with tubes to test for hydrogen sulfide and sulfur dioxide.
1	First aid kit
1	Backboard with straps and headblocks, C-collar and tape
2	Windssocks with poles
1	Well condition sign with 3 flag system
2	Safe briefing area/muster station signs
1	Fire blanket
2	20# fire extinguishers
1	LEL/O2 handheld monitor calibration sheet available as well as sticker on unit.
1	Eyewash station
1	Microsheild/resesitation pocket mask/bag-valve mask with O2 inlet
2	Tanks oxygen with tubing and adult nasal cannulas, adult non-rebreathers.
1	Local emergency phone numbers for police/fire/ems with township and range, longitude and latitude posted inside the trailer on the wall in plain view.
1	Bloodborne pathogen kit

A drawing of the location will be inserted in this page showing the actual placement of all safety equipment relative to other equipment on location.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UTU-78731
B TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME na
2. NAME OF OPERATOR Cabot Oil and Gas		7. UNIT AGREEMENT NAME na
3. ADDRESS OF OPERATORS 600 17th ST. Suite 900 N Denver, CO 80202		8. FARM OR LEASE NAME na
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirement) at surface 921' FNL & 1372' FEL NWNE At proposed prod. Zone same as above		9. WELL NO. NW Bullhorn 17-13
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 48.7 miles south of Vernal, UT		10. FIELD OR LEASE NAME Paradox
15. DISTANCE FROM PROPOSED LOC. TO NEAREST PROP. OR LEASE LINE, FT. (Also to nearest drlg. Unit line, if any) 921'		11. Sec., T., R., M., OR BLK AND SURVEY OR AREA Sec. 17, T., 29S, R24E
16. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1200'		12. COUNTY OR PARISH San Juan
17. NO. OF ACRES IN LEASE 1,549		13. STATE Utah
18. PROPOSED DEPTH 7,200		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START 12/15/05
21. ELEVATION (SHOW WHETHER DF, RT, GR, etc.) 6582' GR		

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	2000'	1025 sks
7 7/8"	5 1/2"	17#	T.D.	800 sks

The operator requests permission to drill the subject well. Please find the attached 10 point plan and 13 point plan.

William A Ryan
290 S 800 E
Vernal, UT 84078
435-789-0968

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
MOAB FIELD OFFICE
2006 FEB 21 P 1:48

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposed in to deepen or plug back, give data on proposed productive zone and proposed new productive zone. If proposal is to drill or deepen directional, give pertinent data on subsurface location and measure and true vertical depths. Give blowout preventer program, if any.

24

SIGNATURE William A. Ryan TITLE Agent DATE 12-20-05

PERMIT NO.

APPROVED BY K.A. Lynn Jackson TITLE Assistant Field Manager, DATE 6/2/06
CONDITIONS OF APPROVAL, IF ANY: Division of Resources

RECEIVED

JUN 07 2006

*See Instructions on Reverse Side

CONDITIONS OF APPROVAL ATTACHED

T29S, R24E, S.L.B.&M.

CABOT OIL AND GAS

Found 1916 G.L.O.
Brass Cap buried 2' in
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Road, CC

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S89°58'35"E 2008.65' (Meas.)

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921'

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1372'

Sec. 9

Sec. 16

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SOUTH 40.00 (G.L.O.)

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NW BULLHORN 17-13

ELEV. UNGRADED GROUND = 6583.5'

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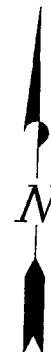
Found 1916 G.L.O.
Brass Cap, CC

N0°03'W (G.L.O.)

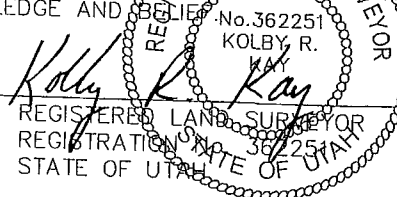
WELL LOCATION, NW BULLHORN 17-13,
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4. The monument at the Northeast Corner of Section 17 bears N03°07'09"W 277.94' from the monument at the Northwest Corner of Section 16.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.



TIMBERLINE LAND SURVEYING, INC.

38 WEST 100 NORTH. - VERNAL, UTAH 84078
(435) 789-1365

DATE SURVEYED:
09/22/05

SURVEYED BY: K.R.K.

DATE DRAWN:
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SCALE: 1" = 1000'

Date Last Revised:

SHEET

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OF 10

▲ = SECTION CORNERS LOCATED

UTAH STATE PLANE COORDINATES,
1927, SOUTH ZONE

X = 2,632,090.215

Y = 596,992.096

NW BULLHORN 17-13

(Surface Location) NAD 83

LATITUDE = 38° 17' 08.740" N

LONGITUDE = 109° 17' 54.284" W

Cabot Oil & Gas Corporation
NW Bullhorn No. 17-13
Lease UTU-78731
NW/NE Section 17, T29S, R24E
San Juan County, Utah

A COMPLETE COPY OF THIS PERMIT SHALL BE KEPT ON LOCATION from the beginning of site construction through well completion, and shall be available to contractors to ensure compliance.

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Cabot Oil & Gas Corporation is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by **CO1232** (Principal – Cabot Oil & Gas Corp.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors.

A. DRILLING PROGRAM

1. The surface casing shall be set at least 50 feet below the top of the Chinle Formation, regardless of the depth it is encountered.
2. Prior to commencing well pad construction operations, a Well Site Diagram that depicts H₂S safety systems is to be submitted. To be included on the diagram are: rig orientation; prevailing wind direction; terrain; briefing areas; access road(s); flare line(s); pit(s); location of "caution" and/or "danger" signs; and location of wind direction indicators.
3. Because of the potential to encounter hydrogen sulfide, a rotating head shall be installed on the BOP stack. With that modification, the proposed 3M BOPE is adequate for anticipated conditions. Installation, testing and operation of the system shall be in conformance with Onshore Oil and Gas Order No. 2.
4. Because of the possible presence of H₂S, the flare line mouth shall be at least 150 feet from the wellhead, and shall be equipped with an automatic igniter. A flare gun with flares shall be on location as a back-up ignition source.
5. A cement bond log (CBL), or other appropriate tool for determining top-of-cement, shall be run on the production casing and shall be submitted to BLM.

B. SURFACE USE PLAN

1. In order to protect watershed values, no road/well pad construction or drilling operations will be authorized between November 1 and April 30. The limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation may be specified in writing by the Moab Field Office.
2. In order to protect wintering big game animals, no road/well pad construction or drilling operations will be authorized between November 1 and May 15. The limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation may be specified in writing by the Moab Field Office.
3. A cattle guard will be installed in the fence on the road between the NW Bullhorn 17-13 and 17-24 Wells:
 - a. if the construction of the road or well pad for the NW Bullhorn 17-13 Well is occurring between October 23 and June 30,
 - b. If drilling operations are occurring at the NW Bullhorn 17-13 Well between October 23 and June 30, or
 - c. if the NW Bullhorn 17-13 Well is completed for production.
4. Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed must be approved by BLM in advance.
5. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the BLM Field Office. Within five (5) working days, the BLM will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;

- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

- a time frame for the BLM to complete an expedited review under 36 CFR § 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the BLM are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the BLM will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The BLM will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the BLM that the required mitigation has been completed, the operator will then be allowed to resume construction.

6. If the well is productive, the access road will be rehabilitated or brought to Resource (Class III) Road Standards within 60 days of dismantling the rig. If upgraded, the access road must be maintained at these standards until the well is properly abandoned. If this time frame cannot be met, the Field Office Manager will be notified so that temporary drainage control can be installed along the access road.
7. With the exception of road crossings and well pads, the on-lease pipelines will be laid above ground and parallel to the roads. No blading or clearing of vegetation with mechanized equipment will be authorized for the installation of the surface pipelines, and the on-lease pipelines will be installed approximately 10 feet from the edge of the roads.
8. The operator will be responsible for weed control on the disturbed areas within the limits of the well pad and road construction. The operator will be responsible for consultation with the authorized officer and/or local authorities for acceptable weed control methods.

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Notify the Moab Field Office at least 48-hours prior to commencing construction of location.

Spud- Notify the Moab Field Office 24-hours prior to spudding. Submit written notification of spud (Sundry Notice, Form 3160-5) to the Moab Field Office within 24-hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports that describe the progress and status of the well shall be submitted to the Moab Field Office on a weekly basis. This report may be in any format customarily used by the operator.

Oil and Gas Operations Reports (OGOPs)- Production from this well shall be reported to Minerals Management Service (MMS) on a monthly basis.

Sundry Notices- Any modification to the proposed drilling program shall be submitted to the Moab Field Office on a Sundry Notice (Form 3160-5). Regulations at 43 CFR 3162.3-2 describe which operations require prior approval, and which require notification.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Moab Field Office. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the BLM in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, immediately notify the Moab Field Office, and work that might disturb the cultural resources shall cease.

First Production- A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Moab Field Office.

Notify the Moab Field Office when the well is placed into production. Initial notification may be verbal, but must be confirmed in writing within five business days. Please include the date production started, the producing formation and production volumes.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, a *Well Completion or Recompletion Report and Log* (Form 3160-4) shall be submitted to the Moab Field Office within thirty-days after completion of the well. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the Moab Field Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the Moab Field Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered to be shut-in until the gas can be captured or until approval to continue the venting/flaring pursuant to NTL-4A is granted. Compensation shall be due for gas that is vented/flared without approval.

Produced Water- An application for approval of a permanent disposal method and location will be submitted to the Moab Field Office for approval pursuant to Onshore Oil and Gas Order No.7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the Moab Field Office for off-lease measurement, off-lease storage and/or commingling of production prior to the sales measurement point. The term "commingling" describes both the combining of production from different geologic zones and/or combining production from different leases or agreement areas.

Plugging and Abandonment- If the well is a dry hole, plugging instructions must be obtained from the Moab Field Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Sundry Notice, Form 3160-5) will be filed with the Moab Field Office within thirty-days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Moab Field Office or the appropriate surface managing agency.

TABLE 1

NOTIFICATIONS

Notify **Rich McClure** (435-259-2127) of the Moab Field Office, or **Jeff Brown** (435-587-1525) of the Monticello Field Office for the following:

2 days prior to commencement of dirt work, construction and reclamation; (McClure)

1 day prior to spudding; (Brown)

50 feet prior to reaching the surface casing setting depth; (Brown)

3 hours prior to testing BOPE. (Brown)

If the person at the above number cannot be reached, notify the BLM Moab Field Office at 435-259-2100.

Well abandonment operations require 24-hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained from:

Eric Jones, Petroleum Engineer

Office: 435-259-2117
Home: 435-259-2214



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

March 30, 2007

Cabot Oil and Gas
600 17TH St., Suite 900 N
Denver, CO 80202

Re: APD Rescinded -NW Bullhorn 17-3 Sec. 17 T. 29 R. 24E
San Juan County, Utah API No. 43-037-31844


Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on February 10, 2006. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective March 30, 2007.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,


Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Moab